BIBLIOGRAPHY
OF
DOCTORAL DISSERTATIONS
1978-79

NATURAL & APPLIED SCIENCES

ASSOCIATION OF INDIAN UNIVERSITIES
NEW DELHI
1980

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CONSPECTUS

This bibliography lists 2,632 theses accepted during the year 1978-79 by the Indian Universities for doctoral degrees in the subjects of Natural and Applied Sciences. These have been classified by the Dewey Decimal Classification (19th Edition) and this governs their general arrangement.

Each entry lists detailed particulars about the theses in the following order: Serial number, name of the scholar, title of the thesis, name of the university/institute, the years when research was begun and completed, availability note, and name and complete address of the guide. Unless otherwise stated immediately after the title, the theses have been accepted for the award of Ph.D. degree.

Abbreviations have been used to render the names of the various universities/institutes and a complete list of these abbreviations and their expansions follows the conspectus. For thesis where the information about the year when the research was begun was not available only the year of award of degree has been given. Availability note provides information about the availability of the theses for consultation and use by the research scholars. Unless indicated by an asterisk to the serial number a copy of each of the thesis listed is available in the respective university/institute library. The thesis is available in the university/institute office when the serial number is marked by an asterisk. As regard the guides under whom research has been conducted, information has been provided in the majority of the cases. However, where complete address was not available we had to be content with the name of the guide only. There are however, a few cases where even the name could not be ascertained.

An alphabetic subject index and a scholar index are included to facilitate reference. The scholar index is arranged alpha-

betically according to the surnames of the scholars. But an important departure from strict alphabetization consists in grouping the surnames pronounced alike. For instance, Misra and Mishra are grouped together and these are arranged in the alphabetical order of their initials. The index directs the user to the text with the help of the running serial number of the entries.

The following statistical table gives the university and subject-wise distribution of the theses accepted in the year 1978-79.

University and subject wise distribution of Doctoral Dissertations in Natural and Applied Sciences during 1978-79

University/Institute	*Agriculture*	*Animal Husbandry*	*Anthropology*	*Astronomy*	*Biology*	*Botany*	*Chemistry*	*Earth Sciences*	*Engineering*	*Mathematics*	*Medical Sciences*	*Paleontology*	*Physics*	*Technology*	*Zoology*	*Total*
A.I.I.M.S., Delhi	—	—	—	—	—	—	—	—	—	—	21	—	—	—	—	21
Agra	2	3	—	1	—	3	8	—	—	2	1	—	2	—	1	23
Agrl. Sc., Bangalore	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17
Aligarh	—	1	—	—	1	6	27	4	—	6	4	—	6	2	6	63
Allahabad	12	—	—	—	2	14	61	—	4	4	3	—	9	—	13	122
Andhra	—	—	—	—	4	11	15	6	1	4	1	—	10	2	11	65
Annamalai	3	—	—	—	8	1	3	—	—	—	—	—	1	—	2	18

(*Contd.*)

University and subject wise distribution of Doctoral Dissertations in Natural and Applied Sciences during 1978-79 (*Contd.*)

University/Institute	*Agriculture*	*Animal Husbandry*	*Anthropology*	*Astronomy*	*Biology*	*Botany*	*Chemistry*	*Earth Sciences*	*Engineering*	*Mathematics*	*Medical Sciences*	*Paleontology*	*Physics*	*Technology*	*Zoology*	*Total*
Assam Agrl.	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
Avadh	—	—	—	—	—	—	4	—	—	—	—	—	—	—	—	4
Awadhesh Pratap	—	—	—	—	—	3	5	1	—	4	—	—	4	—	4	21
B.I.T.S., Pilani	—	—	—	—	—	—	4	—	3	—	2	—	3	—	—	12
Banaras	27	—	—	—	—	11	11	8	4	13	13	—	6	1	10	104
Bangalore	—	—	—	—	—	1	4	1	—	1	—	—	2	—	5	14
Baroda	—	—	—	—	4	1	3	7	—	2	—	—	2	—	5	24

Berhampur	—	—	—	—	—	2	5	—	—	2	—	—	—	—	4	13
Bhagalpur	—	—	—	—	—	—	1	—	—	—	—	—	—	—	1	2
Bhopal	—	—	—	—	—	—	2	—	1	—	—	—	2	—	3	8
Bihar	—	—	—	—	—	—	1	—	—	2	—	—	—	—	1	4
Bombay	—	1	—	1	12	5	40	3	1	5	32	—	8	8	4	120
Bundelkhand	—	—	—	—	—	—	2	—	—	—	—	—	—	—	—	2
Burdwan	—	—	—	—	—	2	3	—	—	1	—	—	1	2	4	13
C.S. Azad Agrl.	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3
Calcutta	13	3	3	—	3	8	25	4	4	7	19	—	25	3	14	131
Calicut	—	—	—	—	—	1	—	—	—	—	—	—	—	—	2	3
Cochin	—	—	—	—	3	—	—	—	—	—	—	—	3	—	—	6
Darbhanga	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	1
Delhi	—	—	2	1	—	7	32	3	—	10	3	—	12	—	4	74
Dibrugarh	—	—	1	—	—	—	2	2	—	1	—	—	1	—	—	7

(*Contd.*)

University and subject wise distribution of Doctoral Dissertations in Natural and Applied Sciences during 1978-79 (*Contd.*)

University/Institute	*Agriculture*	*Animal Husbandry*	*Anthropology*	*Astronomy*	*Biology*	*Botany*	*Chemistry*	*Earth Sciences*	*Engineering*	*Mathematics*	*Medical Sciences*	*Paleontology*	*Physics*	*Technology*	*Zoology*	*Total*
Garhwal	—	—	—	—	—	1	4	—	—	5	1	—	—	—	3	14
Gauhati	1	1	—	—	—	4	1	2	—	—	—	—	4	1	2	16
Gorakhpur	2	—	—	—	—	12	4	—	—	4	1	—	—	2	4	29
Gujarat	—	—	—	1	—	6	8	—	3	4	4	—	7	—	8	41
Gujarat Agrl.	10	1	—	—	—	1	—	—	—	—	—	—	—	—	—	12
Guru Nanak	—	—	—	—	—	1	1	—	—	1	—	—	—	—	—	3
Haryana Agrl.	27	16	—	—	—	—	—	—	—	—	—	—	—	—	1	44

Himachal Pradesh	—	—	—	—	—	—	5	—	—	1	—	—	1	—	—	7
Himachal Pradesh Agrl.	8	—	—	—	—	—	—	—	—	—	—	—	—	—	1	9
I.A.R.I., Delhi	43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	43
I.I.Sc., Bangalore	—	—	—	—	10	1	13	1	23	2	—	—	6	7	8	71
I.I.T., Bombay	—	—	—	—	—	—	6	—	18	11	—	—	3	8	—	46
I.I.T., Delhi	—	—	—	—	—	—	7	—	12	3	1	—	15	14	—	52
I.I.T., Kanpur	—	—	—	—	—	—	10	—	20	6	1	—	4	4	—	45
I.I.T., Kharagpur	8	—	—	—	—	—	12	2	20	11	—	—	2	7	—	62
I.I.T., Madras	—	—	—	—	—	—	16	—	30	—	—	—	2	9	—	57
I.S.I., Calcutta	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	2
I.S.M., Dhanbad	—	—	—	—	—	—	—	5	—	1	—	—	2	—	—	8
Indore	1	—	—	—	—	—	2	—	1	—	1	—	—	—	—	5
J.N. Krishi	5	7	—	—	—	—	—	—	—	—	—	—	—	—	—	12
J.N. Tech.	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	1

(Contd.)

University and subject wise distribution of Doctoral Dissertations in Natural and Applied Sciences during 1978-79 (*Contd.*)

University/Institute	*Agriculture*	*Animal Husbandry*	*Anthropology*	*Astronomy*	*Biology*	*Botany*	*Chemistry*	*Earth Sciences*	*Engineering*	*Mathematics*	*Medical Sciences*	*Paleontology*	*Physics*	*Technology*	*Zoology*	*Total*
Jabalpur	—	—	—	—	—	6	5	—	—	—	—	—	—	—	—	11
Jadavpur	—	—	—	1	—	—	8	2	8	10	3	—	2	—	—	34
Jammu	—	—	—	—	2	2	3	5	—	1	1	—	1	—	2	17
Jawaharlal Nehru	1	—	—	—	2	3	—	—	—	—	—	—	—	—	2	8
Jiwaji	—	—	—	—	—	4	12	—	—	—	—	—	1	—	4	21
Kakatiya	1	—	—	—	—	2	3	—	2	1	—	—	1	1	5	16
Kalyani	—	—	—	—	—	1	2	—	—	3	1	—	1	—	2	10

Kanpur	28	2	—	—	1	5	8	—	1	—	3	—	4	2	2	56
Karnatak	—	—	—	—	—	3	8	1	—	6	1	—	2	—	2	23
Kashmir	—	—	—	—	—	1	—	—	—	—	—	—	1	—	—	2
Kerala	—	—	—	—	2	3	5	—	—	1	3	—	1	—	1	16
Kerala Agrl.	3	2	—	—	—	—	—	—	—	—	—	—	—	—	—	5
Konkan Krishi	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—	4
Kumaon	1	—	—	—	—	1	1	—	—	1	—	—	1	—	—	5
Kurukshetra	—	5	—	—	—	4	8	—	3	3	—	—	3	2	—	28
Lucknow	—	—	1	—	—	10	12	3	—	9	6	2	3	—	7	53
Madras	—	—	1	—	1	7	16	—	2	7	25	—	4	1	8	72
Madurai	—	—	—	—	3	4	4	—	2	3	1	—	1	—	6	24
Magadh	—	3	—	—	—	3	1	—	—	1	—	—	1	—	1	10
Maharshi Dayanand	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	1
Mahatma Phule Krishi	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4

(Contd)

University and subject wise distribution of Doctoral Dissertations in Natural and Applied Sciences during 1978-79 (*Contd.*)

University/Institute	*Agriculture*	*Animal Husbandry*	*Anthropology*	*Astronomy*	*Biology*	*Botany*	*Chemistry*	*Earth Sciences*	*Engineering*	*Mathematics*	*Medical Sciences*	*Paleontology*	*Physics*	*Technology*	*Zoology*	*Total*
Marathwada	—	—	—	—	1	3	4	—	—	1	—	—	2	—	11	22
Marathwada Agrl.	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8
Meerut	9	1	—	—	—	12	11	1	1	8	2	—	8	—	14	67
Mithila	—	—	—	—	—	2	—	—	—	1	—	—	—	—	—	3
Mysore	—	—	—	—	2	4	8	1	—	—	—	—	4	3	2	24
Nagarjuna	—	—	—	—	—	—	2	—	—	2	—	—	—	—	1	5
Nagpur	—	—	—	—	—	5	8	2	3	—	—	1	4	1	7	31

North Bengal	—	—	—	1	—	—	1	—	2	1	—	—	2	—	—	7
Orissa Agrl.	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
Osmania	1	—	—	—	1	9	19	4	—	2	1	—	4	1	12	54
P.G.I., Chandigarh	—	—	—	—	—	—	—	—	—	—	3	—	—	—	—	3
Panjab	1	7	1	—	—	3	14	3	1	7	3	—	5	—	7	52
Pant Agrl.	7	4	—	—	—	—	—	—	—	—	—	—	—	—	—	11
Patel	1	—	—	—	—	2	3	—	—	4	—	—	—	—	—	10
Patna	—	—	—	—	—	5	6	4	—	5	1	—	—	—	9	30
Poona	—	—	2	—	3	15	16	4	1	4	2	2	12	1	8	70
Punjab Agrl.	33	3	—	—	1	1	2	—	—	1	2	—	—	2	2	47
Punjabi	—	—	2	—	—	—	2	1	—	—	—	—	1	—	1	7
Punjabrao Krishi	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3
Rajasthan	1	—	—	—	—	10	15	—	—	2	4	—	2	—	5	39
Ravishankar	—	—	—	—	—	8	7	—	—	2	—	—	3	—	2	22
Rohilkhand	—	4	—	—	—	—	1	—	—	1	—	—	—	—	—	6

(*Contd.*)

University and subject wise distribution of Doctoral Dissertations in Natural and Applied Sciences during 1978-79 (*Contd.*)

University/Institute	*Agriculture*	*Animal Husbandry*	*Anthropology*	*Astronomy*	*Biology*	*Botany*	*Chemistry*	*Earth Sciences*	*Engineering*	*Mathematics*	*Medical Sciences*	*Paleontology*	*Physics*	*Technology*	*Zoology*	*Total*
Roorkee	—	—	—	—	—	—	3	—	7	—	—	—	—	1	—	11
Sambalpur	—	—	—	—	—	—	4	—	4	3	—	—	1	—	—	12
Saugar	—	—	—	—	1	3	5	1	—	2	2	—	2	—	1	17
Saurashtra	—	—	—	—	1	1	3	—	—	—	1	—	—	—	1	7
Shivaji	—	—	—	—	1	2	7	—	1	5	1	—	3	—	2	22
South Gujarat	—	—	—	—	—	1	1	—	—	—	—	—	1	—	—	3
Tamilnadu Agrl.	30	3	—	—	—	—	—	—	—	—	—	—	—	—	—	33

Udaipur	21	—	—	—	—	5	2	—	—	—	—	1	1	—	—	30
Utkal	1	—	—	—	—	10	14	—	—	3	—	—	2	1	3	34
Venkateswara	—	—	—	—	—	2	3	—	1	1	—	—	1	2	11	21
Vikram	—	—	—	—	—	7	4	—	1	4	1	—	1	—	4	22
Visva-Bharati	1	—	—	—	—	—	1	—	—	—	—	—	1	—	—	3
Total	339	71	13	6	69	271	610	81	186	220	176	6	230	88	266	2632

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ABBREVIATIONS

UNIVERSITIES/INSTITUTES

A.I.I.M S., Delhi	All-India I stitute of Medical Sciences, Delhi
Agra	Agra University
Agrl. Sc., Bangalore	University of Agricultural Sciences, Bangalore
Aligarh	Aligarh Muslim University
Allahabad	University of Allahabad
Andhra	*Andhra University*
Annamalai	Annamalai University
Assam Agrl.	Assam Agricultural University
Avadh	Avadh University
Awadhesh Pratap	Awadhesh Pratap Singh University
B I.T.S., Pilani	Birla Institute of Technology and Science, Pilani
Banaras	Banaras Hindu University
Bangalore	Bangalore University
Baroda	Maharaja Sayajirao University of Baroda
Berhampur	Berhampur University
Bhagalpur	Bhagalpur University
Bhopal	Bhopal Vishwavidyalaya
Bihar	University of Bihar
Bombay	University of Bombay
Bundelkhand	*Bundelkhand University*
Burdwan	University of Burdwan
C.S. Azad Agrl.	Chandra Shekhar Azad University of Agriculture and Technology
Calcutta	University of Calcutta
Calicut	University of Calicut

Cochin	University of Cochin
Darbhanga	Kameshwara Singh Darbhanga Sanskrit University
Delhi	University of Delhi
Dibrugarh	Dibrugarh University
Garhwal	Garhwal University
Gauhati	Gauhati University
Gorakhpur	University of Gorakhpur
Gujarat	Gujarat University
Gujarat Agrl.	Gujarat Agricultural University
Guru Nanak	Guru Nanak Dev University
Haryana Agrl.	Haryana Agricultural University
Himachal Pradesh	Himachal Pradesh University
Himachal Pradesh Agrl.	Himachal Pradesh Krishi Vishva Vidyalaya
I.A.R.I., Delhi	Indian Agricultural Research Institute, Delhi
I.I.Sc., Bangalore	Indian Institute of Science, Bangalore
I.I.T., Bombay	Indian Institute of Technology, Bombay
I.I.T., Delhi	Indian Institute of Technology, Delhi
I.I.T., Kanpur	Indian Institute of Technology, Kanpur
I.I.T., Kharagpur	Indian Institute of Technology, Kharagpur
I I.T., Madras	Indian Institute of Technology, Madras
I.S.I., Calcutta	Indian Statistical Institute, Calcutta
I.S.M., Dhanbad	Indian School of Mines, Dhanbad
Indore	University of Indore
J.N. Krishi	Jawaharlal Nehru Krishi Vishwa Vidyalaya
J.N. Tech.	Jawaharial Nehru Technological University

Jabalpur	University of Jabalpur
Jadavpur	Jadavpur University
Jammu	University of Jammu
Jawaharlal Nehru	Jawaharlal Nehru University
Jiwaji	Jiwaji University
Kakatiya	Kakatiya University
Kalyani	University of Kalyani
Kanpur	Kanpur University
Karnatak	Karnatak University
Kashmir	University of Kashmir
Kerala	University of Kerala
Kerala Agrl.	Kerala Agricultural University
Konkan Krishi	Konkan Krishi Vidyapeeth
Kumaun	Kumaun University
Kurukshetra	Kurukshetra University
Lucknow	University of Lucknow
Madras	University of Madras
Madurai	Madurai-Kamaraj University
Magadh	Magadh University
Maharshi Dayanand	Maharshi Dayanand University
Mahatma Phule Krishi	Mahatma Phule Krishi Vidyapeeth
Marathwada	Marathwada University
Marathwada Agrl.	Marathwada Krishi Vidyapeeth
Meerut	Meerut University
Mithila	Mithila University
Mysore	University of Mysore
Nagarjuna	Nagarjuna University
Nagpur	Nagpur University
North Bengal	University of North Bengal
Orissa Agrl.	Orissa University of Agriculture and Technology
Osmania	Osmania University

P.G.I., Chandigarh	Postgraduate Institute of Medical Education and Research, Chandigarh
Panjab	Panjab University
Pant Agrl.	Govind Ballabh Pant University of Agriculture and Technology
Patel	Sardar Patel University
Patna	Patna University
Poona	University of Poona
Punjab Agrl.	Punjab Agricultural University
Punjabi	Punjabi University
Punjabrao Krishi	Punjabrao Krishi Vidyapeeth
Rajasthan	University of Rajasthan
Ravishankar	Ravishankar University
Rohilkhand	Rohilkhand University
Roorkee	University of Roorkee
Sambalpur	Sambalpur University
Saugar	University of Saugar
Saurashtra	Saurashtra University
Shivaji	Shivaji University
South Gujarat	South Gujarat University
Tamil Nadu Agrl.	Tamil Nadu Agricultural University
Udaipur	University of Udaipur
Utkal	Utkal University
Venkateswara	Sri Venkateswara University
Vikram	Vikram University
Visva-Bharati	Visva-Bharati

MATHEMATICS

1. **Pathak, Suresh.**
   On the existence of mathematical entities and thei meta-mathematics applications. Patna, 1979.

   Prof. K.K. Jha, Department of Mathematics, Patna University, Patna.

2. Singh, Parmanand.
   A critical study of the contribution of Narayana Pandita to Hindu Mathematics. Bihar, 1978.

   Dr. K.S. Shukla, Reader, Department of Mathematics, University of Lucknow, Lucknow.

Symbolic Logic

3. Jain, Kamal Chand.
   Axiomatic characterizations of some information measures. Rajasthan, 1974-78.

   Prof. G.C. Patni, Department of Mathematics, University of Rajasthan, Jaipur.

Approximations & Expansions

4. Abdul Wafi.
   Some problems on approximation by certain operators. Aligarh, 1973-78.

   Prof. Sarfraz Umar, Department of Mathematics, Aligarh Muslim University, Aligarh.

Graph Theory

5. Achuthan. Nirmala.
   On some extremal problems in graph theory. I.S.I., Calcutta, 1979.

Shri A.R. Rao, Statistics and Mathematics Division, Indian Statistical Institute, Calcutta.

6. Akka, D.G.
Some new results in graph theory. Karnatak, 1978.

Dr. V.R. Kulli, Reader, Department of Mathematics, Karnatak University Postgraduate Centre, Gulbarga.

7. Brahmananda Reddy, Yenumula.
Consecutive storage and retrieval in doubly chained tree structures. I.I.T., Delhi, 1974-78.

Dr. P.G. Reddy, Department of Mathematics, Indian Institute of Technology, New Delhi.

8. Hegde, M.
Some enumerative diagraphs and hypergraph problems. I.I.T., Kanpur, 1976-79.

Dr. M.R. Sridharan, Asstt. Prof, Department of Mathematics, Indian Institute of Technology, Kanpur.

9. Rao, Daljit.
On some traversability problems in graph theory and combinatories. I.I.T., Kanpur, 1973-79.

Dr. S.P. Mohanty, Asstt. Prof., Department of Mathematics, Indian Institute of Technology, Kanpur.

10. Ray, Jayanta Kumar.
Balanced and minimal cost tree structures in computer sorting and searching : A study of some algorithms. Calcutta, 1979.

Mathematical Models

11. Roy, Susanta.
Studies in mathematical modelling on problems of economic and environmental growth. Jadavpur, 1975-79.

Prof. D.K. Sinha, Department of Mathematics, Jadavpur University, Calcutta.

ALGEBRA

12. Poornima, S.
A study of multiplier spaces for Segal algebras. Madras, 1974-79.

Dr. K.R. Unni, Institute of Mathematical Sciences, Adyar, Madras.

13. Prabhakara Rao, Nagalla.
On certain classes of autometrized algebras. Andhra, 1978.

Dr. K.L.N. Swamy, Reader, Department of Mathematics, Andhra University, Waltair.

Groups

14. Harbans Lal.
A study of quasi-commutative semigroups, regular ideals and radicals. Delhi, 1970-79.

Prof. P.B. Bhattacharya, Department of Mathematics, University of Delhi, Delhi.

15. Nagore, C. Sri Hari.
Studies in ordered semigroups. Madras, 1973-79.

Prof. T.S. Bhanumurthy, Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Madras.

16. Prasad, P. Krishna.
Action of discontinuous groups on the uppar half-plane. Patel, 1974-79.

Prof. M.H. Vasavada, Head, Department of Mathematics, Sardar Patel University, Vallabh Vidyanagar.

Rings

17. Jain, Raj Kumar.
Multiplication rings and their generalizations. Guru Nanak, 1976-79.

Prof. Surjeet Singh, Head, Department of Mathematics, Guru Nanak Dev University, Amritsar.

18. Santha Kumari, C.
Theory of loop near-rings. Nagarjuna, 1974-79.

Prof. D. Ramakotaiah, Head, Department of Mathematics, Nagarjuna University, Nagarjunanagar.

19. Srivastava, Krishna Kumar.
Structure of near-rings and B-monoids. Lucknow, 1974-78.

Dr. H.M. Srivastava, Lecturer, Department of Mathematics and Astronomy, University of Lucknow, Lucknow.

Linear & Multilinear Algebra

20. Acharya, Krishna.
Locally convex tensor products and their applications. Patna, 1979.

Prof. K.K. Jha, Department of Mathematics, Patna University, Patna.

21. Choudhury, D.P.
About purities in module categories. I.I.T., Kanpur, 1971-79.

Prof. (Mrs.) K. Tewari, Department of Mathematics, Indian Institute of Technology, Kanpur.

22. Das, Lovejoy Swapan Kumar.
Some problems on structures and lifts of (1, 1) tensor fields in differentiable manifolds. Lucknow, 1975-79.

Dr. M.D. Upadhyaya, Reader, Department of Mathematics and Astronomy, University of Lucknow, Lucknow.

23. Pandey, Ravindra Nath.
Some problems connected with the numerical range and spectral properties of an operator. Patna, 1979.

Dr. T.K. Jha, Department of Mathematics, B.N. College, Patna.

Number Theory

24. Khare, Shabd Sharan.
Singular equivariant bordism and characteristics numbers. Allahabad, 1968-78.

Dr. B.L. Sharma, Department of Mathematics, University of Allahabad, Allahabad.

25. Pawar, Yashashir Shivaji.
A study in lattice theory. Shivaji, 1973-79.

Dr. N.K. Thakare, Reader, Department of Mathematics, Marathwada University, Aurangabad.

26. Rane, V.V.
Some problems in number theory. Bombay, 1976-79.

Dr. K. Ramachandra, Tata Institute of Fundamental Research, Colaba, Bombay.

ARITHMETIC

27. Britto, J.A.P.
Arithmetic of linear groups. Bombay, 1976-78.

Dr. S. Raghavan, Tata Institute of Fundamental Research, Colaba, Bombay.

28. Sudesh Kaur.
Some arithmetic results in function fields over finite field of constants. Panjab, 1976-78.

Prof. I.S. Luther, Department of Mathematics, Panjab University, Chandigarh.

TOPOLOGY

29. Shabbir Ahmed.
Metrization in general topology. Osmania, 1979.

Prof. Afzal Ahmed, Department of Mathematics, Osmania University, Hyderabad.

Topology of Spaces

30. Arumugam. S.
Topology and geometry: Topological projective planes. Madurai. 1969-78.

Ex.-Prof. R.P. Burn.

31. Bawa, Narendrapal Singh.
Fixed point theory in topological spaces. Awadhesh Pratap, 1979.

Dr. R.C. Varma.

32. Chattopadhyay, Kshitis Chandra.
f-proximities and contiguities. Panjab, 1975-79.

Dr. H.L. Vasudeva, Reader, Department of Mathematics, Panjab University, Chandigarh.

33. Gael, Chandra Kant.
Some studies in bitopological hyperspaces. Meerut, 1971-78.

Prof. M.K. Singhal, Department of Physical Sciences, Institute of Advanced Studies, Meerut University, Meerut.

34. Indumathi, V.
Characterisations of proximinal subspaces of finite codimension in general normed linear spaces. Madras, 1974-78.

Prof. K.R. Unni, Institute of Mathematical Sciences, Adyar, Madras.

35. Khan, Ahmad.
On certain problems in normal spaces. Aligarh, 1976-78.

Prof. A.H. Siddiqi, Department of Mathematics, Aligarh Muslim University, Aligarh.

36. Maduram, Dharma Martin.
Topological and translational planes. Madurai, 1972-78.

Prof. M. Venkataraman, School of Mathematical Sciences, Madurai Kamaraj University, Madurai.

*37. Ray, Baidyanath.
Some results on fixed points. Burdwan, 1970-79.

Prof. Abhoy Pada Baisnab, Department of Mathematics, University of Burdwan, Burdwan.

38. Singh, S.L.
Fixed point theorems in metric and Banach spaces. Kumaun, 1979.

Dr. B.M.L. Tewari. Department of Mathematics, D.S.B. Govt. College, Nainital.

ANALYSIS

Sequences & Series

39. Ganguly, Ashok.
Some topics in summability. Saugar, 1979.

Dr. R.K. Jain, Asstt. Prof., Department of Mathematics, University of Saugar, Sagar.

40. Khan, Mumtaz Ahmad.
Contributions to the theory of generalized basic hypergeometric series. Lucknow, 1970-78.

Prof. R.P. Agarwal, Department of Mathematics and Astronomy, University of Lucknow, Lucknow.

41. Khandualo, Devaraj.
Some inclusion relations between summability methods. Berhampur, 1973-79.

Dr. (Miss) D. Rath, Reader, Department of Mathematics, Berhampur University, Berhampur.

42. Lal, Rudranarayan.
A study of Fourier series and transforms. Ravishankar, 1978.

Dr. B.L. Gupta, Department of Mathematics, Govt. College of Engineering and Technology, Raipur.

43. Rath, Subhadra.
Theory of summability and its applications. Berhampur, 1968-78.

Dr. Nand Kishore, Head, Department of Mathematics, Berhampur University, Berhampur.

44. Sharma, Harish Chandra.
Absolute summability. Agra, 1978.

Dr. Prem Chandra, Department of Mathematics, R.B.S. College, Agra.

45. Shukla, Yugal Behari.
Summability methods and their application to *Fourier series and allied series*. *Awadhesh Pratap*, 1978.

Dr. S.S. Dixit, Principal, Government College, Mandala, M.P.

46. Singh, Kalp Nath.
Certain studies in the summability of infinite series. Banaras, 1976-79.

Dr. L.M. Tripathi, Lecturer. Department of Mathematics, Banaras Hindu University, Varanasi.

47. Singh, Rambahadur.
Certain problems on summability of Fourier series and allied series. Awadhesh Pratap, 1979.

Dr. S.S. Dixit, Principal, Government College, Mandala, M.P.

48. Singh, Vikramaditya.
Contribution to the study of summability of series. *D.Sc.* Allahabad, 1971-78.

Dr. S.R. Sinha, Reader, Department of Mathematics, University of Allahabad, Allahabad.

49. Usha Kiran.
Sequences in function spaces, locally convex spaces and algebras. Delhi, 1970-79.

Dr. A.K. Chilana, Lecturer, Department of Mathematics, University of Delhi, Delhi.

Differential Calculus & Equations

50. Singh, Kanwar Pal.
Boundedness and other properties of solutions of class of elliptic partial differential equations. Kurukshetra, 1972-79.

Dr. V.B. Goyal, Reader, Department of Mathematics, Kurukshetra University, Kurukshetra.

51. Mutalik, P.R.
Computational techniques in ordinary differential equations and linear algebra. Karnatak, 1979.

Dr. V.N. Kulkarni, Lecturer, Department of Mathematics, Karnatak University, Dharwad.

52. Narasimha Murty, Kanuri.
Contributions to the theory of two and three point boundary value problems. Andhra, 1978.

Dr. D.R.K. Sangameswara Rao, Reader, Department of Mathematics, Andhra University, Waltair.

53. Rao, Jagarlamudi Venkateswarrao.
Some properties of finite difference schemes and unique existence of solutions for boundary value problems. Gujarat, 1974-79.

Dr. M. Misra, Lecturer, Department of Mathematics, Gujarat University, Ahmedabad.

54. Roy, Subir.
Numerical solution to boundary value problems. I.I.T., Kharagpur, 1974-79.

Dr. N.G. Datta, Asstt. Prof., Department of Mathematics, Indian Institute of Technology, Kharagpur.

55. Sengupta, Prabirkumar.
Some problems on Eigen function expansions involving a pair of second order differential systems. Calcutta, 1979.

56. Sivasubramanian, K.
On the space of functions whose nth differences satisfy Lipschitz's condition. Madras, 1974-78.

Prof. K.R. Unni, Institute of Mathematical Sciences, Adyar, Madras.

Integral Calculus & Equations

57. Bansi Lal.
Solutions of some two-dimensional boundary value problems by integral equation techniques. Delhi, 1975-79.

Dr. D.L. Jain, Lecturer, Department of Mathematics, University of Delhi, Delhi.

58. Koteswara Rao, G.
O-primitive and pseudo-integral domains. Nagarjuna, 1971-78.

Prof. D. Ramakotaiah, Head, Department of Mathematics, Nagarjuna University, Nagarjunanagar.

59. Puranik, S.S.
Integral equations method to solve Laplace equation numerically with applications to torsion problem for multiply connected and compositive cylinders. I.I.T., Bombay, 1975-79.

Prof. R.D. Bhargava, Department of Mathematics, Indian Institute of Technology, Bombay.

60. Trivedi, Virendra Kumar.
An integral equation approach to some problems in heat transfer. Delhi, 1969-79.

Dr. G.C. Ahuja, Reader, Department of Mathematics, University of Delhi, Delhi.

Dr. Inderjit Kumar, 95 'M' South Block, New Delhi.

Special Functions

61. Balasubramanian, R.
Theory of the Riemann zeta function. Bombay, 1977-79.

Dr. K. Ramachandra, Tata Institute of Fundamental Research, Colaba, Bombay.

62. Bhattacharya, Manoranjan.
On some problems connected with special functions. Utkal, 1979.

Prof. M. Dutta, Department of Applied Mathematics, University of Calcutta, Calcutta.

63. Guha, Vandana.
A study of transform analysis and special functions with applications. Ravishankar, 1978.

Dr. Ratan Singh, Head, Department of Mathematics, Govt. College of Science, Raipur.

64. Rai, Prem Nath.
A study of a set of generalized polynomials : Special functions of complex analysis. Banaras, 1975-79.

Dr. S.N. Singh, Lecturer, Department of Mathematics, Banaras Hindu University, Varanasi.

65. Srivastava, Ajendra Nath.
On some problems connected with special functions. Banaras, 1977-79.

Prof. S.N. Singh, Department of Mathematics, Banaras Hindu University, Varanasi.

66. Thapliyal, P.S.
A study in the theory of special functions and their applications to the problems in the mathematical physics. Garhwal, 1975-79.

Dr. M.D. Tiwari, Department of Mathematics, Birla Postgraduate College, Srinagar.

Orthogonal Polynomials

67. Mehfooz Alam.
Composite polynomials in algebraically closed fields. Aligarh, 1972-78.

Dr. Neyamat Zaheer, Reader, Department of Mathematics, Aligarh Muslim University, Aligarh.

68. Pradhan, Krishna Mohan.
A study of generalized hypergeometric polynomials. Vikram, 1976-78.

Dr. R.L. Mahajan, Department of Mathematics, S.C. College, Ujjain.

69. Sharma, Shobha.
A study of certain hypergeometric transformations and operators. Lucknow, 1969-78.

Prof. R.P. Agarwal, Department of Mathematics and Astronomy, University of Lucknow, Lucknow.

70. Shukla, Devendra Prasad.
A study of certain hypergeometric type of functions and polynomials. Lucknow, 1971-78.

Dr. S.K. Bose, Reader, Department of Mathematics and Astronomy, University of Lucknow, Lucknow.

71. Singh, Narendra Pratap.
On generalised hypergeometric functions and their applications. Awadhesh Pratap, 1978.

Dr. Firangi Singh, Head, Department of Mathematics, Government Engineering College, Rewa, M.P.

72. Singh, Ramji.
A generalized polynomial set Sn (x, y) and conduction heat transfer. Banaras, 1975-79.

Dr. R.N. Pandey.

73. Singh, Satya Dev.
A study of certain orthogonal and non-orthogonal polynomials. Banaras, 1977-79.

Prof. S.N. Singh. Department of Mathematics, Banaras Hindu University, Varanasi.

Functional Analysis

74. Bhatt, G.M.J.
Some problems in functional analysis. Saugar, 1979.

Prof. P.L. Sharma, Head, Department of Mathematics, University of Saugar, Sagar.

75. Prasad, Umesh Chandra.
An approach to functional analysis : Topological space, topological group and allied topics. Patna, 1978.

Dr. K.K. Prasad, Reader, Department of Mathematics, B.N. College, Patna.

76. Rajam, G.
Studies in functional analysis : Upper integrals. Madurai, 1972-78.

Dr. T. Soundararajan, Reader, School of Mathematical Sciences, Madurai Kamaraj University, Madurai.

77. Ramaswamy, S.
Semi groups of measures, Markov processes and potential theory : Some problems in functional analysis. Bombay, 1972-78.

Dr. M.K.V. Murthy, Tata Institute of Fundamental Research, Colaba, Bombay.

78. Ratlan Chand.
Some aspects of functions analytic in the unit disc. I.I.T., Kanpur, 1976-79.

Dr. Prem Singh.

79. Srivastava, Jagvind Kumar.
Spaces of analytic functions. Lucknow, 1973-78.

Dr. S.K. Bose, Reader, Department of Mathematics and Astronomy, University of Lucknow, Lucknow.

Operational Calculus

80. Ahuja, Gopi.
A study of certain integral transforms and integral equations. Lucknow, 1976-79.

Dr. A.N. Mehra, Reader, Department of Mathematics and Astronomy, University of Lucknow, Lucknow.

81. Ashok Kumar.
Composition of operators on $L^2(\lambda)$. Jammu, 1974-79.

Dr. R.K. Singh, Reader, Department of Mathematics, University of Jammu, Jammu.

82. Barve, Saroj.
A contribution to the theory of matrix transformations. Vikram, 1975-79.

Dr. Prem Chandra, Lecturer, Department of Mathematics, Vikram University, Ujjain.

83. Maurya, Rajendra Prasad.
A study on a generalized multidimensional integral transform. Banaras, 1977-79.

Dr. Y.N. Prasad. Lecturer, Department of Mathematics, Banaras Hindu University, Varanasi.

84. Salunkhe, V.S.
Generalised integral transformations. Marathwada, 1979.

Topological Vector Spaces

85. Chakraborty, Basudev.
Some problems on fixed point and semigroup mappings. Jadavpur, 1974-79.

Dr. P.C. Bhakta, Reader, Department of Mathematics, Jadavpur University, Calcutta.

86. Das, Maheshwar Lal.
A study of convergence spaces. Magadh, 1976-78.

Dr. P. Tiwary, Reader, Department of Mathematics, Magadh University, Bodh-Gaya.

87. Jaggi, Davinder Singh.
A study of fixed-point mappings in metric spaces. Delhi, 1970-79.

Prof. B.S. Yadav, Department of Mathematics, University of Delhi, Delhi.

88. Mishra, Shantilata.
Banach limits and infinite matrices. Sambalpur, 1972-78.

Prof. G. Das, Head, Department of Mathematics, Sambalpur University, Jyoti Vihar, Burla.

89. Phadke, Sindhu Vishvanath.
Study of operators on Hilbert spaces. Shivaji, 1973-78.

Dr. N.K. Thakare, Reader, Department of Mathematics, Marathwada University, Aurangabad.

90. Vasudevan, T.C.
Some problems on Hermitian modular forms. Bombay, 1976-79.

Dr. S. Raghavan, Tata Institute of Fundamental Research, Colaba, Bombay.

Meramorphic Functions

91. Krishnan, N.S.
Almost periodicity and normality of some meromorphic functions. I.I.T., Bombay, 1965-79.

Prof. M.N. Vartak, Department of Mathematics, Indian Institute of Technology, Bombay.

GEOMETRY

92. Grover, Vinod Kumar.
Asymmetric inequalities for non-homogeneous forms. Panjab, 1976-79.

Dr. V.C. Dumir, Reader, Centre for Advanced Studies in Mathematics, Panjab University, Chandigarh.

93. Raka, Madhu.
Some inequalities for non-homogenous quadratic forms. Panjab, 1976-79.

Dr. (Mrs.) R.J. Hans-Gill, Reader, Department of Mathematics, Panjab University, Chandigarh.

94. Sane, S.S.
Studies in partial designs and projective Hjelmisleve planes. I.I.T., Bombay, 1975-79.

Dr. B.V. Limaye, Asstt. Prof., Department of Mathematics, Indian Institute of Technology, Bombay.

95. Varma, Hari Prasad.
Manava Sulba Sutra : A critical study of this unpublished work on Vedic Geometry. Mithila, 1979.

Dr. Upendra Jha, Head, Department of Mathematics, C.M. Science College, Darbhanga.

Manifolds

96. Bagewadi, C.S.
Contribution to the study of Kohler manifolds. Karnatak, 1978.

Prof. K.S. Amur, Head, Department of Mathematics, Karnatak University, Dharwad.

97. Chaubey, Dina Nath.
A study of some differentiable manifolds with certain structures. Banaras, 1972-79.

Dr. B.B. Sinha, Reader, Department of Mathematics, Banaras Hindu University, Varanasi.

98. Ganesh, M.
Study of projective structure on compact complex manifolds. Madras, 1976-79.

Dr. M. Sitaramayya, Reader, School of Mathematics, University of Hyderabad, Hyderabad.

99. Srivastava, Nawal Kishore.
Study in Finsler manifolds. Allahabad, 1965-78.

Prof. R.S. Mishra, Head, Department of Mathematics, Banaras Hindu University, Varanasi.

Differential Geometry

100. Chandramohan, I.
Some applications of differential geometry to mechanics and conducting flows. Venkateswara, 1966-78.

Prof. P.V. Arunachalam, Department of Mathematics, S.V.U. College of Arts and Sciences, Tirupati.

101. Pujar. S.S.
Topics in differential geometry. Karnatak, 1978.

Prof. K.S. Amur, Head, Department of Mathematics, Karnatak University, Dharwad.

102. Singh, Awadhesh Kumar.
Differential geometry of complex spaces. Gorakhpur, 1979.

103. Singh, Shyam Kishor.
Second order asymptotic solution of the problem of the motion of artificial satellite. Bihar, 1979.

Prof. R.B. Singh, Department of Mathematics, University of Bihar, Muzaffarpur.

MATHEMATICAL STATISTICS

Probabilities

104. Ariful Islam.
Stochastic processes and reliability. Aligarh, 1974-78.

Prof. S.M. Ali, Head, Department of Statistics, Aligarh Muslim University, Aligarh.

105. Bansal, Brij Nandan Lal.
Stochastic processes in radiation biology. Meerut, 1970-79.

Prof. Banwari Lal.

Dr. P.S. Gupta, Institute of Nuclear Medicine and Allied Sciences, Delhi.

106. Chakravorty, B.B.
Some problems of system reliability. I.I.T., Kharagpur, 1972-79.

Dr. A.K. Bhattacharyya, Asstt. Prof., Department of Mathematics, Indian Institute of Technology, Kharagpur.

107. Hari Dass.
Stochastic models in medicine with special reference to intrauterine contraceptive research. Kurukshetra, 1973-79.

Prof. C. Mohan, Head, Department of Mathematics, Kurukshetra University, Kurukshetra.

108. Prasad, S.N.
Some solutions in stochastic hydraulics and hydrologic system. Poona, 1971-78.

Prof. V.S. Huzurbazar, Head, Department of Mathematics and Statistics, University of Poona, Pune.

109. Rajarshi, Manohar Bhagwan.
Some statistical and probabilistic studies of dependent random variables. Poona, 1971-78.

Prof. S.R. Adke, Department of Mathematics and Statistics, University of Poona, Pune.

110. Saksena, Vishvamber Nath.
Studies in Markovian deterioration of a structure and some point processes. Poona, 1974-78.

Prof. S.R, Adke, Department of Mathematics and Statistics, University of Poona, Pune.

111. Shinde, A.K.
Some multifacility location problems with area constraints. I.I.T., Kharagpur, 1974-79.

Prof. J.R. Rao, Department of Mathematics, Indian Institute of Technology, Kharagpur.

112. Subhash Chander.
Distribution from comparison of the probability with reference to their hazards. Panjab, 1976-79.

Dr. J.V. Deshpande, Reader, Department of Statistics, Panjab University, Chandigarh.

Statistical Methods

113. Bhattacharyya, Murari Mohan.
Studies in some aspects of systems analysis with special reference to their role in mathematisation of innovative systems. Jadavpur, 1976-79.

Prof. D K. Sinha, Head, Department of Mathematics, Jadavpur University, Calcutta.

114. Gobind Parkash.
Some selection procedures for parametric and non-parametric families of probable distributions. Panjab, 1975-79.

Dr. J.V. Deshpande, Reader, Department of Statistics, Panjab University, Chandigarh.

115. Jani, Bharatkumar Bhikhabhai.
Profit maximisation and deterioration problems in certain inventory models. Gujarat, 1975-79.

Dr. M.C. Jaiswal, Reader, Department of Statistics, Gujarat University, Ahmedabad.

116. Kalpagam, U.
A choice theoretic approach to dynamic incidence and disequilibrium. I.I.T., Kanpur, 1975-78.

Prof. T.V.S. Rammohan Rao, Department of Humanities and Social Sciences, Indian Institute of Technology, Kanpur.

117. Mohammad Asghar Ali.
Hypothesis testing in a mixed model based on conditional specifications. Banaras, 1976-79.

Prof. Siyaram Srivastava, Department of Mathematics, Banaras Hindu University, Varanasi.

118. Ram Babu.
Statistical models for rainfall distribution and its relation with runoff. Meerut, 1972-79.

Prof. P.B. Saxena.

119. Rao, C.V.
On the study of preliminary tests of significance. Vikram, 1975-79.

Dr. K.P. Saxena, Reader, Department of Statistics, Vikram University, Ujjain.

120. Srivastava, Vishnu Kumar.
Contributions to the theory of incompletely specified models. Lucknow, 1970-79.

Prof. A.R. Roy, Department of Statistics, University of Lucknow, Lucknow.

Sampling

121. Ahsan, Mohammad Jameel.
Multivariation sample survey. Aligarh, 1969-78.

Dr. S.U. Khan, Reader, Department of Statistics, Aligarh Muslim University, Aligarh.

122. Dutta, Horen Ira Nath.
Effect of measurement error on acceptance sampling plans. Dibrugarh, 1974-78.

Dr. Hari Ram Singh, Reader, Department of Statistics, Dibrugarh University, Dibrugarh.

123. Faurn Singh.
Sequential approach to sample surveys. Meerut, 1972-79.

Prof. P.B. Saxena.

Dr. Daroga Singh, Department of Statistics, D.A.V. College, Dehradun.

124. Patel, Hasmukhbhai Chaturbhai.
Some problems in sampling. Baroda, 1973-79.

Dr. S.W. Dharmadhikari. Southern Illinois University of Carbondale, Illinois,

125. Shah, Dhirajlal Nanchand.
Use of auxiliary information in estimation in sampling theory. Patel, 1973-78.

Prof. S.M. Shah, Head, Department of Statistics, Sardar Patel University, Vallabh Vidyanagar.

126. Sharma, Kaushal Kishore.
On the estimation of true scores and reliability for mental tests under different sampling models. Meerut, 1972-79.

Dr. A.B.L. Srivastava, Department of Statistics, M.M. College, Modinagar.

127. Srivastava, Arun Kumar.
Sampling from dynamic populations. Delhi, 1972-79.

Dr. D. Singh, Director, Institute of Agricultural Research Statistics, New Delhi.

128. Sukhminder Singh.
Some contributions to the theory of sampling. Punjab Agrl., 1975-78.

Dr. Ravinder Singh, Assoc. Prof., Department of Mathematics, and Statistics, Punjab Agricultural University, Ludhiana.

Multivariate Analysis

129. Pal, Satyabrata.
Some problems of factorial experiments. Calcutta, 1979.

130. Parikh, Ashok Manilal.
Some problems in fractional factorial designs. Baroda, 1973-79.

Prof. (Mrs.) I.V. Bhanot, Head, Department of Statistics, M.S. University of Baroda, Baroda.

Statistical Inference

131. Khot, Ramesh.
Inference of test procedure using three preliminary tests of significance in mixed model. Vikram, 1974-79.

Dr. R.C. Jain, Reader, Department of Statistics, Sambalpur University, Sambalpur.

132. Ratani, Rameshchandra Thakershibhai.
Parametric inference under constraints. Gujarat, 1976-79.

Prof. C.G. Khatri, Head, Department of Statistics, Gujarat University, Ahmedabad.

Programming

133. Abdul Bari.
Some integer programming problems and their solution procedures. Aligarh, 1969-78.

Dr. S.U. Khan, Reader, Department of Statistics, Aligarh Muslim University, Aligarh.

134. Banerjee, Amal Kumar.
Contribution to design and analysis of experiments. Delhi, 1969-79.

Prof. H.C. Gupta, Head, Department of Mathematical Statistics, University of Delhi, Delhi.

Dr. D. Singh, Director, Institute of Agricultural Research Statistics, New Delhi.

135. Chandramohan, M.
Duality and algorithmic aspects of certain integer nonliner programming problems. I.I.T., Delhi, 1975-79.

Dr. Suresh Chandra, Lecturer, Department of Mathematics, Indian Institute of Technology, New Delhi.

136. Das, Chakradhar.
Mathematical programming in complex space. Sambalpur, 1973-78.

Prof. K. Swarup, Department of Operational Research and Management, Indian Institute of Public Administration, New Delhi.

137. Mittal, Bhim Sen.
Studies in scheduling and programming problems. Delhi, 1973-79.

Dr. P.C. Bagga, Department of Mathematics, Motilal Nehru College, New Delhi.

Prof. R.N. Kaul, Head, Department of Mathematics, University of Delhi, Delhi.

138. Mohan, S.R.
Linear complementarity problems with a Z-matrix. I.S.I., Calcutta, 1979.

Sh. K.G. Ramamurthy, Indian Statistical Institute, 7, S.J.S. Sansanwal Marg, New Delhi.

139. Nair, K.N.S.
Some aspects of multicollinearity in single equation models. I.I.T., Kanpur, 1974-78.

Dr. Kamta Prasad, Department of Humanities and Social Sciences, Indian Institute of Technology, Kanpur.

Dr. R.R. Barthwal, Asstt. Prof., Department of Humanities and Social Sciences, Indian Institute of Technology, Kanpur.

140. Sahai, Ashok.
Some integral programming problems. Lucknow, 1966-78.

Prof. A.R. Roy, Department of Statistics, University of Lucknow, Lucknow.

141. Ved Prakash.
Some contributions to the methods of linear programming. I.I.T., Delhi, 1972-78.

Prof. P.C.P. Bhatt, Department of Electrical Engineering, Indian Institute of Technology, New Delhi.

Dr. M Ibramsha, Asstt., Prof., Department of Electrical Engineering, Indian Institute of Technology, New Delhi.

Queuing

142. Divekar, V.G.
Some problems in statistical metric spaces. I.I.T., Bombay, 1969-79.

Prof. M.N. Vartak, Department of Mathematics, Indian Institute of Technology, Bombay.

143. Madan, Sudhir.
Cybernetic queuing systems. Delhi, 1973-79.

Dr. A. Ghoshal.

144. Singh, Kanwar Bidhi.
Queues with random additional service facilities and cost analysis. Kurukshetra, 1974-79.

Dr. Krishan Murari, Reader, Department of Mathematics, University of Roorkee, Roorkee.

Operational Research

145. Bhatnagar, Veena Lata.
Some waiting time models. Meerut, 1976-79.

Dr. P.L. Maggu, Department of Mathematics, M.S. College, Saharanpur.

146. Dharam Pal.
Mathematical analysis of waiting time problems. Delhi, 1978.

Dr. K. Thiruvengadam, Principal Scientific Officer, Ministry of Defence, New Delhi.

147. Mohammed Shamim Alam.
Some problems of waiting time methods. Garhwal, 1977-79.

Dr. K.S. Sinha, Department of Mathematics, D.A.V. College, Dehradun.

148. Ramesh Chander.
On the modified sine operator and its applications. Panjab, 1976-79.

Dr. A.B. Buche, Reader, Department of Statistics, Panjab University, Chandigarh.

149. Sharma, Santosh Kumar.
Reliability evaluation studies in operations research. Meerut, 1979.

Dr. O.P. Gupta, Department of Mathematics, M.M. College, Modinagar.

MATHEMATICAL PHYSICS

Relativity

150. Bali, Raj.
Some cosmological models and perfect fluid distributions in general relativity. Banaras, 1975-79.

Dr. S R. Roy, Reader, Department of Mathematics, Banaras Hindu University, Varanasi.

151. Panda, H.P.
Some physical distribution in general relativity. I.I.T., Kharagpur, 1974-79.

Prof. J.R. Rao, Department of Mathematics, Indian Institute of Technology, Kharagpur.

152. Patil, Nivasrao Pandurang.
Investigations on the magnetohydrodynamical aspects in general relativity. Shivaji, 1976-79.

Dr. T.H. Date, 83/1, Sarang Society, Plot No. 2, Pune.

153. Singh, Onkar Nath.
On some material distributions in general relativity. Banaras, 1976-79.

Prof. K.P. Singh, Department of Mathematics, Banaras Hindu University, Varanasi.

154. Swami, Sidram Panchakshari.
A study of certain Riemannian spaces in general relativity. Poona, 1968-78.

Prof. V.V. Narlikar, 701, Colaba Housing Colony, Homi Bhabha Road, Colaba, Bombay.

155. Virkar, Kishore Vasudeo.
Relativistic elastic systems. Shivaji, 1975-79.

Dr. L. Radhakrishna, Reader, Department of Mathematics, Shivaji University, Kolhapur.

Quantum Mechanics

156. Burra, Gautam Siddhartha.
On some problems of bound states and scattering in quantum mechanics. Calcutta, 1978.

157. Krishnan, E.V.
Nonlinear wave propagations in multi-dimensions. I.I.Sc., Bangalore, 1973-79.

Prof. Phoolan Prasad, Department of Applied Mathematics, Indian Institute of Science, Bangalore.

158. Pal, Sanatan.
Some problems of wave propagation in fluid saturated porous media. Kalyani, 1970-79.

Dr. R.N. Jana, Reader, Department of Mathematics, University of Kalyani, Kalyani.

159. Thirtha, D.G.
Waves in magnetoplasma. I.I.T., Bombay, 1975-79.

Dr. M.L. Mittal, Asstt. Prof., Department of Mathematics, Indian Institute of Technology, Bombay.

Field & Wave Theories

160. Bera, Kachiram.
On already unified field theory and problems singularities in general relativity. Calcutta, 1979.

161. Patel, Madhubhai Devachanddas.
Some exact solutions of stationary space-time: Einstein's field equation. Patel, 1975-79.

Solid-State Physics

162. Chinachenchuraju, V.
On wave motion in falling liquid films. Andhra, 1979.

Dr. V. Vidyanidhi, Reader, Department of Mathematics, Andhra University, Waltair.

163. Kandasami, P.
Membrane analysis of linear elastic thin shells in the form of Dupin's cyclide. Madras, 1973-78.

Prof. G.V. Krishna Reddy, Head, Department of Mathematics, P.S.G. College of Technology, Coimbatore.

164. Singh, R.R.P.
Studies in the mathematical theories of failure in solids. Garhwal, 1974-79.

Dr. K.S. Sinha, Department of Mathematics, D.A.V. College, Dehradun.

Mechanics

165. De, S.K.
Dislocation layers and crack problems. I.I.T., Kharagpur, 1974-79.

Dr. M. Maiti, Asstt. Prof., Department of Mathematics, Indian Institute of Technology, Kharagpur.

166. Sharma, Jai Kishore.
Some contributions to transportation problems. Meerut, 1975-79.

Dr. S.C. Agarwal, Department of Mathematics, M.S. College, Saharanpur.

Dynamics

167. Gupta, Manojit.
Studies in some aspects of disturbances in electro-magneto-mechanical media with plasma drift. Jadavpur, 1976-79.

Prof. D.K. Sinha, Head, Department of Mathematics, Jadavpur University, Calcutta.

168. Kaimal, M. Ramachandra.
Studies on some engineering and biomechanical flow problems with or without suspension. Allahabad, 1975-78.

Prof. Phoolan Prasad, Department of Applied Mathematics, Indian Institute of Science, Bangalore.

169. Rama Rao, K.V.
Numerical solution of flow and stability problems. I.I.T., Kharagpur, 1974-79.

Dr. V.U.K. Sastry, Lecturer, Department of Mathematics, Indian Institute of Technology, Kharagpur.

170. Rohini, G.
Stability of flows through porous media. Bangalore, 1974-79.

Prof. N. Rudraiah, Department of Mathematics, Bangalore University, Bangalore.

—*Waves*

171. Barnwal, S.P.
On certain problems in shock waves in dusty medium. Gorakhpur, 1979.

172. Chattopadhyay, Anadikumar.
Mathematical model of the propagation of waves in a shallow channel and interfacing channels. Calcutta, 1979.

173. Kar, Bharat Kumar.
Some problems on elastic waves in layered media. I.S.M., Dhanbad, 1978.

Prof. K.R. Nag, Head, Department of Physics and Mathematics, Indian School of Mines, Dhanbad.

174. Srivastava, R.C.
A study of magneto-radiative shocks and allied problems. Gorakhpur, 1979.

Mass & Gravity

175. Padmanabhan Rao, Anantpur Bacche Rao.
Gravitational collapse. Shivaji, 1977-79.

Dr. L. Radhakrishna, Reader, Department of Mathematics, Shivaji University, Kolhapur.

Stresses & Deformation

—*Elasticity*

176. Bhattacharyya, Subrata.
A few problems on elastic and visco-elastic waves and vibrations. Kalyani, 1973-78.

Dr. P.R. Sengupta, Reader, Department of Mathematics, University of Kalyani, Kalyani.

177. Jana, Mihir Kumar.
Analysis of visco-elastic solids with arbitrary geometry and loading. Kerala, 1972-78.

Prof. Y. Sitaraman, Head, Department of Mathematics, University of Kerala, Trivandrum.

178. Mishra, Shwetambar.
Some elastic and thermoelastic problems. Jadavpur, 1973-78.

Dr. A. Chakrabarty, Reader, Department of Mathematics, Jadavpur University, Calcutta.

179. Pramanik, Nihar Ranjan.
Some problems on vibrations of elastic bodies. Jadavpur, 1973-78.

Dr. A.K. Sengupta, Lecturer, Department of Mathematics, Jadavpur University, Calcutta.

180. Rama Murthy, D.
Some problems in thermoelasticity. Kakatiya, 1973-79.

Dr. M.G.K. Murthy, Asstt. Prof., Department of Mathematics, Regional Engineering College, Warangal.

181. Rathod, H.T.
Stress analysis of finite Griffith cracks in plane elasticity. I.I.T., Bombay, 1974-79.

Prof. D.N. Buragohain, Department of Civil Engineering, Indian Institute of Technology, Bombay.

182. Roy, Subhas Chandra.
Nonhomogeneity in elastic plates and shells. North Bengal, 1978.

Dr. Amarendra Das, Lecturer, Department of Mathematics, Jalpaiguri Govt. Engineering College, Jalpaiguri.

183. Venkatasubramanian, N.K.
Bending and flexure of a micropolar elastic circular cylinder under terminal loads. Madras, 1973-78.

Prof. G.V. Krishna Reddy, Head, Department of Mathematics, P.S.G. College of Technology, Coimbatore.

Friction

184. Patel, Kantibhai Chhaganbhai.
On some problems of porous metal lubrication. Patel, 1975-78.

Prof. J.L. Gupta, Department of Mathematics, Birla Vishvakarma Mahavidyalaya, Vallabh Vidyanagar.

Mechanics of Fluids

185. Mitra, Subrata.
Some problems of non-Newtonian fluids. Jadavpur, 1974-79.

Dr. A.K. Ghosh, Lecturer, Department of Mathematics, Jadavpur University, Calcutta.

Hydrodynamics

186. Atolia, Ram Narain.
Study of flows of Newtonian and non-Newtonian fluids. Rajasthan, 1971-78.

Prof. G.C. Patni, Department of Mathematics, University of Rajasthan, Jaipur.

187. Balaprasad, Vallurupalli.
Secondary flow in rotating channels with porous walls. Andhra, 1978.

Dr. V.V. Ramana Rao, Reader, Department of Mathematics, Andhra University, Waltair.

188. Bhathawala, Pravinchandra Himatlal.
Two parameter singular perturbation method in the fluid flow through porous media. South Gujarat, 1975-78.

Dr. A.P. Verma, Department of Mathematics, S.V.R. College of Engineering and Technology, Surat.

189. Bhattacharyya, Pradip Kumar.
Investigations on flow inside a hydracyclone. Calcutta, 1978.

190. Biswal, Trilochan.
Flow analysis of visco-elastic liquids. Utkal, 1978.

Prof. S.P. Misra, Department of Mathematics, Utkal University, Vani Vihar, Bhubaneswar.

*191. Gupta, B.D.
Laminar forced convection of viscous fluids in vertical channels. Rohilkhand, 1975-78.

Dr. H.C. Sharma, Lecturer, Department of Mathematics, Vardhman College, Bijnor.

192. Hiremath, P.S.
Some problems in Newtonian and non-Newtonian flows. Karnatak, 1978.

Prof. B. Siddappa, Head, Department of Mathematics, Karnatak University Postgraduate Centre, Gulbarga.

193. Koshy.
Numerical solutions of entrance and fully developed viscoplastic flows through non-circular ducts. I.I.T., Bombay, 1975-79.

Prof. P.C. Jain, Department of Mathematics, Indian Institute of Technology, Bombay.

194. Misra, U.N.
Laminar viscous flows and heat transfers. I.I.T., Kharagpur, 1975-79.

Dr. V.P. Sharma, Asstt. Prof., Department of Mathematics, Indian Institute of Technology, Kharagpur.

195. Mohan Rao, V. Rama.
Numerical solutions of flow and heat transfer problems in micropolar fluid dynamics. I.I.T., Kharagpur, 1974-79.

Dr. V.U.K. Sastry, Lecturer, Department of Mathematics, Indian Institute of Technology, Kharagpur.

196. Nadoor, S.
Some problems on hydrodynamic and magnetohydrodynamic stability. I.I.T., Bombay, 1974-79.

Dr. S.P. Bhattacharyya, Asstt. Prof., Department of Mathematics, Indian Institute of Technology, Bombay.

197. Pandey, Kanti Deo.
Some investigations on laminar flows of viscous and visco-elastic incompressible fluids. Banaras, 1975-79.

Dr. Nawal Kishore, Lecturer, Department of Mathematics, Banaras Hindu University, Varanasi.

198. Parthihar, Khemkaran Singh.
Flow problems in dusty viscous and visco-elastic fluids and some MHD flows. Agra, 1978.

Dr. G.C. Sharma, Department of Mathematics, Agra College, Agra.

199. Patel, G.S.
Some problems in non-Newtonian flow and heat transfer. Karnatak, 1978.

Prof. B. Siddappa, Head, Department of Mathematics, Karnatak University Postgraduate Centre, Gulbarga.

200. Pramodini Devi.
Flow analysis of non-Newtonian liquids. Utkal, 1979.

Dr. (Miss) P. Mohapatra, Lecturer, Department of Mathematics, Utkal University, Vani Vihar, Bhubaneswar.

201. Purushothaman, R.
Unsteady viscous flows in rotating environments. I.I.T., Kharagpur, 1974-79.

Dr. S.S. Chawla, Asstt. Prof., Department of Mathematics, Indian Institute of Technology, Kharagpur.

202. Sharma, Krishan Chand.
Some stability problems in hydrodynamics, hydromagnetics and plasma dynamics. Himachal, 1979.

203. Simran Singh.
Fluid flows through and past permeable beds. I.I.T., Kharagpur, 1974-79.

Dr. S.S. Chawla, Asstt. Prof., Department of Mathematics, Indian Institute of Technology, Kharagpur.

204. Singh, Sidheshwar Prasad.
Numerical solution of fluid dynamical equation. Patna, 1979.

Dr. R. Sharma, Department of Mathematics, Science College, Patna.

205. Vajravelu, K.
Some problems of flow and heat transfer in the presence of heat sources or sinks. I.I.T., Kharagpur, 1975-79.

Dr. K.S. Sastry, Asstt. Prof., Department of Mathematics, Indian Institute of Technology, Kharagpur.

Mechanics of Gases

206. Chaudhuri, Ajit Kumar.
On development of numerical methods to solve boundary layers and allied problems. Jadavpur, 1973-78.

Dr. S.K. Ghosal, Reader, Department of Mathematics, Jadavpur University, Calcutta.

207. Sen, Ramdas.
Development of unsteady boundary layer theory. Banaras, 1976-79.

Dr. K. Lal, Reader, Department of Mathematics, Banaras Hindu University, Varanasi.

208. Shahi, J.P.
Gas-flows in a non-equilibrium conducting fluid. Gorakhpur, 1979.

209. Venkatachalan, B.J.
A numerical study of some flow and heat transfer problems in laminar boundary layers. I.I.Sc., Bangalore, 1973-79.

Prof. G. Nath, Department of Applied Mathematics, Indian Institute of Science, Bangalore.

Sound

210. Bandyopadhyay, Asoke.
Studies on sound ballistics. Jadavpur, 1975-79.

Prof. R.N. Bhattacharyya, Department of Mathematics, Jadavpur University, Calcutta.

Light

211. Saxena, K.C.
On some aspects of analytical photogrammetric thiangulation. Garhwal, 1975-79.

Dr. K.S. Sinha, Department of Mathematics, D.A.V. College, Dehradun.

Heat

212. Ramachandran, P.S.
Heat transfer in laminar flows of thermomicropolar fluids. I.I.T., Bombay, 1974-79.

Dr. M.N. Mathur, Asstt. Prof., Department of Mathematics, Indian Institute of Technology, Bombay.

213. Saxena, J.B.L.
Heat transfer studies in the flow of certain fluids. Garhwal, 1974-79.

Dr. K.S. Sinha, Department of Mathematics, D.A.V. College, Dehradun.

Electricity

214. Ghosh, Nirmal Chander.
Studies in Mathematical investigations on some problems of piezoelectricity. Jadavpur, 1974-78.

Dr. A.K. Pal, Lecturer, Department of Mathematics, Jadavpur University, Calcutta.

215. Sitalakshmi, M.
Some problems in electrodynamics and gravitational collapse. Osmania, 1979.

Prof. Vanaja Iyengar, Head, Department of Mathematics, Osmania University, Hyderabad.

Magnetism

216. Ghosh, Susil Kumar.
Some problems in magnetohydrodynamics. Kalyani, 1973-79.

Dr. P.R. Sengupta, Reader, Department of Mathematics, University of Kalyani, Kalyani.

217. Masapati, G.H.
Unsteady flow phenomena in a MHD channel. I.I.T., Bombay, 1974-79.

Dr. M.L. Mittal, Asstt. Prof., Department of Mathematics, Indian Institute of Technology, Bombay.

218. Roy, Avimanyu.
Study of some magnetohydrodynamic problems. Sambalpur, 1972-78.

Prof. A.K. Das, Head, Department of Mathematics, Regional Engineering College, Rourkela.

219. Sarma, P.R.L.
End effects in a magnetohydrodynamic channel. I.I.T., Bombay, 1977-79.

Dr. M.L. Mittal, Asstt. Prof., Department of Mathematics, Indian Institute of Technology, Bombay.

220. Singh, Chandra Bali.
Some studies in magnetohydrodynamical flows. Banaras, 1974-79.

Dr. K.S. Pandey, Lecturer, Department of Mathematics, Banaras Hindu University, Varanasi.

ASTRONOMY

Celestial Mechanics

221. Gupta, Beena.
Resonance in some problems of celestial mechanics. Delhi, 1973-79.

Dr. K.B.R. Mathur, Department of Mathematics, University of Delhi, Delhi.

DESCRIPTIVE ASTRONOMY

Astrophysics

222. Barman, Surya Kumar.
On some astrophysical problems of anisotropic scattering with Rayleigh's phase function. North Bengal, 1979.

Dr. S.B. Karanjai, Lecturer, Department of Mathematics, North Bengal University, Darjeeling.

223. Bhandari, Satyendar Mal.
Structure of radio sources from inter-planetary scintillation. Gujarat, 1971-78.

Prof. U.R. Rao.

224. Kembhavi, A.K.
Zero-mass surfaces and cosmological singularities. Bombay, 1975-79.

Dr. J.V. Narlikar, Tata Institute of Fundamental Research, Colaba, Bombay.

Cosmology

225. Bandyopadhyay, Kalpana.
Models of M 31 and of our galaxy and some prob-

lems relating to their structure. Jadavpur, 1974-78.
Dr. B.N. Basu.

Sun

226. Gaur, Vichitra Prakash.
Molecules in sunspots. Agra, 1978.
Dr. M.C. Pandey, U.P. State Observatory, Nainital.

PHYSICS

Relativity

227. Datta, Ajit Kumar.
Some problems in general relativity. Calcutta, 1979.

228. Datta Chowdhury, Shekhar Bhusan.
Some selected topics in general relativity. Jadavpur, 1976-78.

Dr. A. Banerjee, Lecturer, Department of Physics, Jadavpur University, Calcutta.

229. Gopala Rao, A.V.
Some solutions of the field equations of general relativity and their properties. Mysore, 1978.

Quantum Mechanics

230. Bhatnagar, S.P.
Anharmonic oscillators in quantum mechanics. I.I.T., Kanpur, 1971-79.

Dr. K. Banerjee, Asstt. Prof., Department of Physics, Indian Institute of Technology, Kanpur.

231. Jain, C.S.
Exact numerical results on finite one and two dimensional Heisenberg systems. Bombay, 1974-79.

Dr. C.K. Mujumdar, Tata Institute of Fundamental Research, Colaba, Bombay.

232. Pandey, Arvind Kumar.
Gravitational effects in quantum theory. Banaras, 1975-79.

Dr. A.N. Mantri, Lecturer, Department of Physics, Banaras Hindu University, Varanasi.

233. Raina, Vinod.
Relation between resonance integral and overlap integral in molecular quantum mechanics: An investigation based on analysis of model systems. Delhi, 1972-79.

Dr. P.K. Srivastava, Reader, Centre of Advanced Study in Physics, University of Delhi, Delhi.

234. Rajput, Kamal Singh.
Solvable potentials and scattering phase shifts in quantum mechanics. Awadhesh Pratap, 1979.

Dr. S.L. Mor, Head, Department of Physics, Maharaja College, Chhatarpur.

235. Verma, Balesh.
Space and angle dependent study of neutron wave propagation in beryllium oxide and beryllium. Delhi, 1972-79.

Dr. Feroz Ahmad. Reader, Department of Physics and Astrophysics, University of Delhi, Delhi.

Prof. L.S. Kothari, Department of Physics and Astrophysics, University of Delhi, Delhi.

Field & Wave Theories

236. Ghosh, Gautam.
Coherent state and the manybody problem. Calcutta, 1978.

237. Guru, Nilamadhab.
Studies in nuclear manybody problems. Sambalpur, 1973-79.

Prof. R.K. Satpathy, Head, Department of Physics, Sambalpur University, Jyoti Vihar, Burla.

238. Sabir, M.
Investigation on pathologies in higher spin field theories. Cochin, 1974-78.

Dr. K. Babu Joseph, Reader, Department of Physics, University of Cochin, Cochin.

239. Sridharan, T.
Force fields by parametric representation method. Annamalai, 1973-78.

Prof. K. Ramaswamy, Head. Department of Physics, Annamalai University, Annamalainagar.

Solid-State Physics

240. Banerjee, Arindam.
Sprayed CdS and alloy films for photovoltaic conversion. I.I.T., Delhi, 1974-78.

Prof. K.L. Chopra, Department of Physics, Indian Institute of Technology, New Delhi.

241. Bargale, Bapu Bhau.
Photoelectric properties of sodium-doped CdS films. Shivaji, 1976-79.

Dr. S.H. Pawar, Lecturer, Department of Physics, Shivaji University, Kolhapur.

242. Das, Suhit Ranjan.
CdS based thin film solar cells. I.I.T., Delhi, 1974-78.

Prof. K.L. Chopra, Department of Physics, Indian Institute of Technology, New Delhi.

243. Dutta, Viresh.
Electronic properties of crystalline Ge-metal films. I.I.T., Delhi, 1974-78.

Prof. K.L. Chopra, Department of Physics, Indian Institute of Technology, New Delhi.

244. Goel, Suresh Chander.
Thermo-physical properties of some polymeric and monomeric solids. Delhi, 1975-79.
Prof. V.S. Nanda. Department of Physics and Astrophysics, University of Delhi, Delhi.

245. Gupta, Ashok Kumar.
Studies on solid state transformation of gibbsite. Jammu, 1973-78.

Dr. K.N. Goswami, Reader, Department of Physics, University of Jammu, Jammu.

246. Gupta, Balkishan.
Structural, electrical, optical and photoconducting properties of pure and doped CdS layers produced by spray pyrolysis. I.I.T., Delhi, 1976-78.

Dr. O.P. Agnihotri, Asstt. Prof., Department of Physics, Indian Institute of Technology, New Delhi.

247. Hariharan, K.
Defect controlled properties of some solid materials. I.I.T., Madras, 1979.

Dr. S. Radhakrishna, Asstt. Prof., Department of Physics, Indian Institute of Technology, Madras.

248. Jayaraman, V.
Planar Hall effect in nickel and nickel-copper alloys and magnetic properties of electro-deposited nickel films. I.I.T., Kharagpur, 1973-79.

Prof. S.K. Dutta Roy, Cryogenic Engineering Centre, Indian Institute of Technology, Kharagpur.

249. Kalra, Saroj Bala.
Fluctuation-enhanced electrical conductivity of thin superconducting films of tin. Delhi, 1974-79.

Dr. P.N. Dheer, Reader, Department of Physics and Astrophysics, University of Delhi, Delhi.

250. Krishan Kumar.
Investigation in solid state electroluminescene. Allahabad, 1975-79.

Dr. S.G. Prakash, Lecturer, Department of Applied Physics, University of Allahabad, Allahabad.

251. Mahanga Ram.
Anharmonic effects in solids. Panjab, 1976-78.

Prof. K.N. Pathak, Department of Physics, Panjab University, Chandigarh.

252. Nandi, Ranjan Kumar.
X-ray line profile analysis and its application in the microstructural studies of thin films. Calcutta, 1978.

253. Pande, Madan Kumar.
Studies on microstrip circuits with special reference to thin film Bi_2O_3 overlay. Poona, 1974-78.

Dr. R.N. Karekar, Lecturer, Department of Physics, University of Poona, Pune.

254. Pandeya, Suresh Datt.
Solid state physics : Production and structure of alloys. Awadhesh Pratap, 1978.

Dr. Arun Singh, Head, Department of Physics, College of Home Science, Jabalpur.

255. Phadke, S.D.
Electrical properties of plasma polymerised thin films. Poona, 1974-79.

Dr. R.N. Karekar, Lecturer, Department of Physics, University of Poona, Pune.

256. Phatak, Kiran Ajit.
Corrosion studies of vacuum deposited aluminium, silver and tin films by ellipsometry. Poona, 1972-78.

Prof. K. Sathianandan, Head, Department of Physics, University of Cochin, Cochin.

257. Ratna Rani.
Effect of hydrogen diffusion on the solid state properties of iron, cobalt and nickel. Kanpur, 1979.

258. Saxena, Usha.
Studies of structural and physical behaviour of Erbium and Erbium oxide thin films. Banaras, 1974-79.

Dr. O.N. Srivastava, Reader, Department of Physics, Banaras Hindu University, Varanasi.

259. Srinivasulu Naidu, B.
Studies in solid state physics : Resistivity, thermoelectric power and optical absorption studies in amorphous Ge and GeSb films. Venkateswara, 1974-78.

Prof. P. Jayarama Reddy, Head, Department of Physics, S.V.U. College of Arts and Sciences, Tirupati.

260. Venkateswara Rao, Tenneti.
Metallopolymer films. I.I.T., Delhi, 1974-78.

Prof. K.L. Chopra, Department of Physics, Indian Institute of Technology, New Delhi.

Plasma Physics

261. Maheshwari, Krishna Prasad.
Interaction of electromagnetic beams with plasma. Rajasthan, 1974-78.

Prof. M.S. Sodha, Department of Physics, Indian Institute of Technology, New Delhi.

Dr. S.R. Sharma, Reader, Department of Physics, University of Rajasthan, Jaipur.

262. Pandey, Nand Lal.
Helicon wave propagation through semiconductor plasma. Banaras, 1972-79.

Prof. R.N. Singh.

263. Patel, Lalitbhai Atmaram.
Laser self focusing and related phenomena in plasmas. I.I.T., Delhi, 1975-78.

Prof. M.S. Sodha, Department of Physics, Indian Institute of Technology, New Delhi.

Dr. D.P. Tewari, Asstt. Prof., Department of Physics, Indian Institute of Technology, New Delhi.

264. Rajam, S.
Wave interactions in piezoelectric media and solid state plasmas. Kerala, 1971-79.

Prof. K.S. Viswanathan, Head, Department of Physics, University of Kerala, Trivandrum.

265. Sharma, Jai Kishan.
Filamentation instability in plasmas. I.I.T., Delhi, 1974-78.

Prof. M.S. Sodha, Department of Physics, Indian Institute of Technology, New Delhi.

Dr. D.P. Tewari, Asstt. Prof., Department of Physics, Indian Institute of Technology, New Delhi.

Instrumentation

266. Sarkar, Dipak Kumar.
Design and development of a special vibration Galvanometer to study the effect of tension on torsion. Calcutta, 1978.

MECHANICS OF SOLIDS

Dynamics

267. Kharoo, Hira Lal.
Dynamical studies of solids. Allahabad, 1973-78.

Dr. M.P. Hemkar, Lecturer, Department of Physics, University of Allahabad, Allahabad.

268. Singh, Vijai Pratap.
Dynamical study of solids. Allahabad, 1974-79.

Dr. M.P. Hemkar, Lecturer, Department of Physics, University of Allahabad, Allahabad.

269. Srimannarayana, K.
Applications of holography and Speckle photography to some problems in elasticity. Kakatiya, 1975-79.

Dr. V. Venkateswara Rao, Department of Physics, Regional Engineering College, Warangal.

Vibrations

270. Agarwal, Gopal Narayan.
Effect of electron gas modification on lattice vibrations of hexagonal close packed metals. Meerut, 1971-79.

Dr. R.K. Singh, Head, Department of Physics, Nehru Regional Engineering College, Khurja.

271. Awasthi, R.K
Vibrational studies of solids. Kanpur, 1979.

Dr. P.K. Sharma, Reader, Department of Physics, University of Allahabad, Allahabad.

272. Goel, Asha.
Vibrational properties of solids. Meerut, 1974-79.

Dr. B. Dayal, Department of Physical Sciences, Institute of Advanced Studies, Meerut University, Meerut.

273. Jai Prakash.
Vibrational studies of solids. Allahabad, 1971-78.

Dr. P.K. Sharma, Reader, Department of Physics, University of Allahabad, Allahabad.

MECHANICS OF FLUIDS

274. Basu, Amitabha.
Self-diffusion in liquid metals. Calcutta, 1978.

275. Sharma, Ram Vir.
Structural and physical properties of dense fluids. Meerut, 1976-79.

Dr. P. Mahesh, Head, Department of Physics, Meerut College, Meerut.

276. Shukla, Keshawa Prasad.
Equilibrium theories of molecular liquids. Banaras, 1974-79.

Dr. Y. Singh, Lecturer, Department of Physics, Banaras Hindu University, Varanasi.

277. Srinivasan, G.M.
Contribution to the study of the internal pressure of liquids and liquid mixtures. Madras, 1974-78.

Prof. G.A. Savari Raj, Head, Department of Physics, St. Joseph's College, Tiruchirapalli.

MECHANICS OF GASES

278. Adeel Ahmad.
Studies on bioacoustics and aerodynamics of fliers. Osmania, 1979.

Dr. P.G. Puranik, Department of Physics, Osmania University, Hyderabad.

279. Adhikari, Debabrata.
Studies on some aspects of the hydrodynamic equations and the transport coefficients of gaseous plasmas. Calcutta, 1979.

280. De, Udayan.
Studies on transport and other related properties of gases. Calcutta, 1978.

281. Jagdish Prasad.
Excitation mechanism of main emission for airglow. Allahabad, 1969-78.

Prof. S.N. Ghosh, Department of Physics, University of Calcutta, Calcutta.

282. Jana, Dulal Chandra.
Studies on the properties of the ionised gases in a magnetic field. North Bengal, 1978.

Prof S N. Sen, Head, Department of Physics, North Bengal University, Darjeeling.

SOUND

283. Sudhakar, Puttagunta.
Physical modelling of surface acoustic wave (S.A.W.) interdigital transducers and its application to the design of S.A.W. track changers and bandpass filters. I.I.T., Delhi, 1972-79.

Prof. A.B. Bhattacharya, Head, Centre for Applied Research in Electronics, Indian Institute of Technology, New Delhi.

Ultrasonic Vibrations

284. Anjan Reddy, M.
Ultrasonic studies in some aqueous suspensions and colloids. Osmania, 1979.

Prof. M. Suryanarayna, Department of Physics, Osmania University, Hyderabad.

285. D'Cunha, Esmie Gerson.
Study of ultrasonic attenuation. Allahabad, 1974-78.

Dr. S.K. Kor, Reader, Department of Physics, University of Allahabad, Allahabad.

286. Manikam, B.
Some aspects of ultrasonic wave propagation in liquids. I.I.T., Madras, 1979.

Prof. R. Srinivasan, Department of Physics, Indian Institute of Technology, Madras.

287. Sarma, Akella Viswanatha.
Ultrasonic study of liquids. Andhra, 1979.

Prof. K. Subba Rao, Department of Physics, Andhra University, Waltair.

LIGHT

Physical Optics

288. Gupta, A.K.
Diffraction imaging by optical system afflicted with

off-axis aberrations and image motion. I.I.T., Delhi, 1974-79.

Prof. M.S. Sodha, Department of Physics, Indian Institute of Technology, New Delhi.

289. Joag, D.S.
Field emission microscopy : Some studies on LaB6/Mo systems. Poona, 1972-79.

Dr. P.L. Kanitkar, Reader, Department of Physics, University of Poona, Pune.

290. Khullar, Enakshi.
Study of the propagation characteristics of optical waveguides. I.I.T., Delhi, 1975-79.

Prof. A.K. Ghatak, Department of Physics, Indian Institute of Technology, New Delhi.

Dr. I.C. Goyal, Asstt. Prof., Department of Physics, Indian Institute of Technology, New Delhi.

291. Verma, Narendra Kumar.
Theoretical investigations of the performance of optical systems. Punjabi, 1975-79.

Dr. V.P. Nayyar, Reader, Department of Physics, Punjabi University, Patiala.

Luminescence

292. Kushwaha, Mahendra Singh.
Studies on luminescence of CaS : SrS : Cu phosphors. Saugar, 1978.

Dr. J.D. Ranade.

293. Pandey, M.C.
Investigations on the polarization of fluorescence of organic compounds. Meerut, 1977-79.

Dr. A.N. Pandey, Department of Physics, Meerut College, Meerut.

294. Raman, Y.
Luminescence of CaO : Eu : Tb phosphors under X-ray excitation. Saugar, 1978.

Dr. S. Sivaraman, Reader, Department of Physics, University of Saugar, Sagar.

295. Rastogi, Arvind Mohan.
A study of the electroluminescence of alkaline earth sulphides activated with copper and neodynium. Awadhesh Pratap, 1979.

Dr. S.L. Mor. Head, Department of Physics, Maharaja College, Chhatarpur.

296. Sivaram, A.
Laser excited fluorescence and lifetime studies of Dy^{3+} and Uo^{2+}. I.I.T., Kanpur, 1971-78.

Prof. P. Venkateswarlu, Department of Physics, Indian Institute of Technology, Kanpur.

Dr. D. Ramachandra Rao, Department of Physics, Indian Institute of Technology, Kanpur.

297. Warkari, H.S.
Sodium dayglow. Poona, 1973-79.

Dr. A.D. Tillu, Lecturer, Department of Physics, University of Poona, Pune.

Beams

298. Bahuguna, Ramendra Deo.
Laser speckling and its associated effects in vision. I.I.T., Delhi, 1971-79.

Prof. S.S. Mathur, Centre of Energy Studies, Indian Institute of Technology, New Delhi.

299. Xavier, Sodagudi Francis.
Studies on the persistent polarization phenomenon in polar polymeric systems. I.I.T., Delhi, 1975-79.

Dr. I.C. Goel, Asstt. Prof., Department of Physics, Indian Institute of Technology, New Delhi.

Prof. P.K.C. Pillai, Head, Department of Physics, Indian Institute of Technology, New Delhi.

Spectroscopy

300. Joshi, Pushpa.
U.V. observations and the two phase model of the interstellar medium. Bombay, 1972-78.

Dr. M.S. Vaidya, Tata Institute of Fundamental Research, Bombay.

301. Murthy, P.S.
X-ray, photoelectron and Auger spectroscopy. Bombay, 1975-79.

Dr. N.A. Narsimhan, Bhabha Atomic Research Centre, Trombay, Bombay.

HEAT

302. Bhanja, Sisir.
Effects of a magnetic field on the heat conductivity of gases. Calcutta, 1979.

303. Damle, Jayant Prabhakar.
Study of thermal boundary layers : An experimental approach with the help of non-uniform electric fields. Nagpur, 1972-79.

Dr. R.G. Edkie, Head, Department of Applied Physics, V.R. College of Engineering, Nagpur.

304. Jani, Vinodkumar.
Investigations of thermal radiation and let effects in the thermoluminescence of lithium fluoride. Gujarat, 1972-78.

Dr. A.K. Ganguly, Bhabha Atomic Research Centre, Trombay, Bombay.

ELECTRICITY

Electrostatics

Dielectrics

305. Brahmaji Rao, Vasantha Rao.
Influence of dielectric constant on the activity coefficient, conductance and compressibility of electrolytic solutions : Ion pair formation. Andhra, 1978.

Prof. B. Krishnamurty, Head, Department of Physics, Andhra University, Waltair.

306. Hoque, Fazlul Mohammad.
Dielectric studies in certain organic solids and solid solutions. Andhra, 1978.

307. Kulkarni, Raghunath Parashuram.
Study of certain electronic and dielectric properties of materials. Shivaji, 1976-78.

Dr. M.T. Teli, Reader, Department of Physics, Marathwada University, Aurangabad.

308. Nag, Jibantanarayan.
Studies in electromechanical disturbances of piezoelectric transducers. Calcutta, 1978.

309. Quamara, J.K.
Study of optical properties in magnetoelectrets of transparent plastics. Bhopal, 1979.

Dr. C.S. Bhatnagar, Head, Department of Physics, Maulana Azad College of Technology, Bhopal.

310. Sambi Siva Rao, Konapala.
Studies of surface layer effects on the dielectric behaviour of ferro electric and shear wave velocities in certain titanates. Andhra, 1979.

Dr. A. Bhanumathi, Reader, Department of Physics, Andhra University, Waltair.

311. Singh, G.P.
Dielectric and ultrasonic investigation of the ferroelectric phase transition in $R_bH_2PO_4$. Bombay, 1974-78.

Dr. R. Vijayaraghavan, Tata Institute of Fundamental Research, Colaba, Bombay.

Electrodynamics

312. Anil Kumar.
Study of electrical resistance of binary liquid mixtures in the critical region. I.I.Sc., Bangalore, 1974-79.

Prof. E.S. Raja Gopal, Head, Department of Physics, Indian Institute of Science, Bangalore.

313. Nalini, A.V.
Studies of electrical resistivity of some organic conducting materials. I.I.Sc., Bangalore, 1969-78.

Prof. G. Suryanarayanan, Department of Physics, Indian Institute of Science, Bangalore.

Prof. E.S. Raja Gopal, Head, Department of Physics, Indian Institute of Science, Bangalore.

Dr. S.V. Subramanyam, Asstt. Prof., Department of Physics, Indian Institute of Science, Bangalore.

314. Sharma, Ram Saroop.
Transistor gain stabilization against temperature variations. Kashmir, 1975-78.

Dr. N.N. Raina, Head, Department of Physics, University of Kashmir, Srinagar.

Semiconductors

315. Bhatnagar, Mahender Prasad.
Determination of interdiffusion constant and activation energy of selenium based alloys. Awadhesh Pratap, 1979.

Dr. M.G. Nene, Principal, Motilal Vigyan Mahavidyalaya, Bhopal.

316. Deshmukh, Ravindra Sheshrao.
Studies in disordered systems—Amorphous silicon semiconductor : Electrical and optical properties of hydrogenated amorphous silicon. Marathwada, 1978.

Dr. S.S. Shah, Reader, Department of Physics, Marathwada University, Aurangabad.

317. Goyal, Dev Raj.
Properties and device applications of some ionic and semiconducting materials. Panjab, 1976-78.

Dr. K.K. Srivastava, Reader, Department of Physics, Panjab University, Chandigarh.

318. Jain, Sushil Kumar.
Measurement and analysis of Hall effect and magnetoresistance in the two band model for n- and p-type gallium antimonide semiconducting system. Delhi, 1974-79.

Dr. P.C. Mathur, Reader, Department of Physics and Astrophysics, University of Delhi, Delhi.

319. Mitra, Sujata.
Studies on organic semiconductors. I.I.T., Delhi, 1976-78.

Dr. S.C. Mathur, Asstt. Prof., Department of Physics, Indian Institute of Technology, New Delhi.

320. Palaniyandi, E.
Pseudopotentials and impurity states in elemental semiconductors. Madurai, 1973-78.

Prof. S. Balasubramanian, Head, School of Physics, Madurai Kamaraj University, Madurai.

ELECTRONICS

321. Shamkunwar, Natthu Rodiji.
Studies in quantum electronics. Marathwada, 1978.

Prof. V.V. Itagi, Head, Department of Physics, Marathwada University, Aurangabad.

Microwave Electronics

322. Sengupta, Kamalendu.
Microwave absorption and structure of polar organic molecules in the liquid state. Calcutta, 1979.

323. Sinha, Bhabaniprasad.
Some studies on correctness and optimization of microprograms and diagnosis of faults in digital systems. Calcutta, 1979.

Spectroscopy

324. Asharfi Lal.
Polarization of Mossbauer gamma rays and hyperfine field measurements in some organic complexes. Aligarh, 1971-78.

Dr. K. Rama Reddy, Reader, Department of Physics, Aligarh Muslim University, Aligarh.

325. Chakrabarti, Sankar.
Characteristics of electronic spectra of some organic compounds in different states. Calcutta, 1978.

326. Gandhi, K.R.K.
Band structure calculation of electron momentum distributions in vanadium and vanadium deuteride. I.I.T., Kanpur, 1973-79.

Prof. R M. Singru, Department of Physics, Indian Institute of Tech ology. Kanpur.

327. Gupta, L.R.
Impurity-host force constant : Change of Mossbauer Sn 119 impurity in metallic hosts. I.I.T., Delhi, 1974-79.

Dr. R.K. Puri, Asstt., Prof., Department of Physics, Indian Institute of Technology, New Delhi.

328. Haque, Mohammad Keramul.
Electronic spectra of fluoro and chlorobenzaldehydes. Banaras, 1976-79.

Dr. S.N. Thakur, Lecturer, Department of Physics, Banaras Hindu University, Varanasi.

329. Jain, Rita.
Mossbauer effect studies of some iron alloys. I.I.T., Delhi, 1974-78.

Prof. M.S. Sodha, Department of Physics, Indian Institute of Technology, New Delhi.

330. Kanetkar, Subhash Madhusoodan.
Mossbauer and X-ray spectroscopic studies of cubic spinel compounds. Poona, 1972-78.

Dr. A.S. Nigavekar, Reader, Department of Physics, University of Poona, Pune.

331. Khasbardar, Bhalchandra Vyankatesh.
X-ray spectroscopic studies on Co-Al alloys and Co (III) complexes. Shivaji, 1976-79.

Prof. R.N. Patil, Head, Department of Physics, Shivaji University, Kolhapur.

332. Narayanasamy, A.
Mossbauer effect studies of magnetic hyperfine fields in binary alloys, intermetallic compounds and rare earth iron oxides. Madras, 1972-79.

Prof. T. Nagarajan, Department of Nuclear Physics, University of Madras, Madras.

Prof. V. Devanathan, Head, Department of Nuclear Physics, University of Madras, Madras.

333. Sarode, Prabhakar Raoji.
X ray spectroscopic study of some cobalt rare-earth intermetallic compounds. Nagpur, 1972-78.

Dr. A R. Chetal, Reader, Department of Physics, Nagpur University, Nagpur.

334. Srinivasan, V.K.
X-ray studies of materials of significance to fertilizers. I.S M., Dhanbad, 1979.

Prof. S.N. Mitra.

Dr. B.K. Banerjee.

335. Tripathi, Rajendra Prasad.
Mossbauer studies of mineral silicates. Rajasthan, 1975-78.

Prof. S. Loknathan, Department of Physics, University of Rajasthan, Jaipur.

336. Venkatachalam, T.V.
Electronic spectra of diatomic and simple polyatomic molecules. Bombay, 1973-78.

Dr S.L.N.G. Krishnamachari, Bhabha Atomic Research Centre, Trombay, Bombay.

Photoelectric Phenomena

337. Mandal, Sasanka Sekhar.
Microscopic theory of electron liquid and its applications to metals. Visva-Bharati, 1974-79.

Dr. D.N. Tripathy, Institute of Physics, A/105, Saheed Nagar, Bhubaneshwar.

338. Mathew, K.T.
Beam shaping of sectoral electromagnetic horn antennas using corner regulator technique. Cochin, 1973-78.

Dr. K. Gopalakrishnan Nair, Reader, Department of Physics, University of Cochin, Cochin.

339. Mukhopadhyay, Dilip Kumar.
Studies on the spectrometry and impact phenomena of ions. Calcutta, 1979.

Electron & Ion Optics

340. Asrey, Sita Ram
Electro-optical studies of rare earth activated luminophors. Ravishankar, 1978.

Dr. Shashi Bhushan, Lecturer, Department of Physics, Ravishankar University, Raipur.

341. Dhawan, Anil.
Electronic conduction in TMI phosphate glasses and effect of doping molybdenum oxide in vanadate glasses. Delhi, 1975-79.

Dr. Abhai Man Singh, Reader, Department of Physics and Astrophysics, University of Delhi, Delhi.

342. Verma, Rakesh.
Electro-optical studies of rare earth doped II-VII compounds. Ravishankar, 1978.

Dr. Shashi Bhushan, Lecturer, Department of Physics, Ravishankar University, Raipur.

MAGNETISM

Magnetic Properties & Phenomena

343. Deshmukh, Sudha Pranawachandra.
Proton magnetic resonance and ultrasonic studies of some binary liquid mixtures. Nagpur, 1973-79.

Prof. P.L. Khare, Department of Physics, Nagpur University, Nagpur.

344. Mohamad Ismail.
A study of the analog states in ^{33}Cl and ^{44}Ti by isospin forbidden resonances in the reactions 32s (p, γ)^{33} Cl and ^{40}Ca (a, γ)^{44} Ti. Bombay, 1971-78.

Dr. A.S. Divatia, Bhabha Atomic Research Centre, Trombay, Bombay.

345. Sinha, Madhusudan Prasad.
Studies on the heat capacity and magnetic anisotropy of some hydrated magnetic complexes around their structural phase transition points. I.I.T., Kharagpur, 1973-79.

Prof. S.K. Dutta Roy, Cryogenic Engineering Centre, Indian Institute of Technology, Kharagpur.

346. Agarwal, Prem.
Study of structure and phase transition of some polycrystalline organic compounds by nuclear magnetic resonance. Lucknow, 1967-79.

Dr. R.C. Gupta, Reader, Department of Physics, University of Lucknow, Lucknow.

347. Banerjee, Anjan Kumar.
N.M.R. study of molecular reorientation in organic compounds with special emphasis on amino group rotation. Lucknow, 1970-78.

Dr. R.C. Gupta, Reader, Department of Physics, University of Lucknow, Lucknow.

348. Chandramani, R.
Nuclear quadrupole resonance studies in certain chlorine compounds. Bangalore, 1978.

349. Himmat Singh.
N M.R. studies of some 3rd transition element complexes. Aligarh, 1976-78.

Dr. R J. Singh, Lecturer, Department of Physics, Aligarh Muslim University, Aligarh.

350. Misra, Satish Chandra.
Molecular reorientation in some polycrystalline organic solids : A N.M.R. spectroscopic study. Lucknow, 1968-78.

Dr. R.C. Gupta, Reader, Department of Physics, University of Lucknow, Lucknow.

351. Shenoy, K. Rajendra.
Pulsed nuclear magnetic resonance instrumentation and proton spin lattice relaxation studies in certain ferroelectric ammonium compounds. I.I.Sc. Bangalore, 1972-79.

Prof. J. Ramakrishna, Department of Physics, Indian Institute of Science, Bangalore.

Paramagnetic Resonance

352. Gundu Rao. T.K.
No$_3$ radical ESR study. I.I.T., Bombay, 1971-79.

Prof. B.N. Bhattacharyya, Department of Physics, Indian Institute of Technology, Bombay.

353. Malhotra, Vivek Mohan.
Electron paramagnetic resonance and infra-red studies of certain rare-earth hydrates. Kanpur, 1978.

Geomagnetism

354. Bandyopadhyaya, Monika.
Studies in the nature of change in magnetically polarised persper. Bhopal, 1979.

Dr. M.L. Khare.

355. Gandhi, Vinodkumar Hiralal.
Some problems in terrestrial magnetism. Gujarat, 1973-78.

Dr. R. Pratap, Physical Research Laboratory, Ahmedabad.

356. Raghavendra Rao, C.S.
Outer Van Allen radiation belt and auroral substorms. Delhi, 1973-79.

Dr. S.N. Mitra, Chief Engineer, A.I.R., Delhi, Parliament Street, New Delhi.

357. Sawant, H.S.
Studies in solar terrestrial physics. Gujarat, 1972-79.

Dr. R.V. Bhonsle, Physical Research Laboratory, Ahmedabad.

358. Srivastava, Ravindra Kumar.
Detection of micro second light flashes in the night sky through atmospheric fluorescence and its correlation with certain physical events. Agra, 1978.

Dr. B.N. Srivastava, Department of Physics, D.S.B. Govt. College, Nainital.

Ionosphere

359. Borthakur, Sunil Kumar.
A study on the radiopulses from extensive air showers at metre wavelengths. Gauhati, 1976-79.

Dr. K.M. Pathak, Reader, Department of Physics, Gauhati University, Gauhati.

360. Goel, Mahendra Kumar.
Studies on the composition and temperatures in the low latitude topside ionosphere. Delhi, 1973-79.

Dr. B.C.N. Rao, Lecturer, Department of Physics and Astrophysics, University of Delhi, Delhi.

361. Gupta, Apurba.
A study of the lower ionosphere at Ahmedabad. Gujarat, 1974-79.

Prof. K.M. Kotadia, Department of Physics, Gujarat University, Ahmedabad.

362. Hingane, Laxman Sitaram.
Theoretical studies in aeronomy. Poona, 1975-78.

Dr. A.D. Tillu, Lecturer, Department of Physics, University of Poona, Pune.

363. Majumdar, Nita Harinendra.
Study of the upper atmosphere with OH and other airglow emissions. Baroda, 1974-78.

Dr. P.V. Kulkarni, Director, Physical Research Laboratory, Ahmedabad.

364. Pasricha, Pradeep Kumar.
A study of equatorial ionospheric scintillation at 327 MHz. Delhi, 1973-79.

Dr. B.M. Reddy, Asstt. Director, National Physical Laboratory, New Delhi.

365. Raja Ratnam, Sri Rangam.
Some studies on meteors and sporadic—E. Andhra, 1979.

Prof. M. Sriramarao, Department of Physics, Andhra University, Waltair.

366. Sarkar, Swapan Kumar.
Radioclimatological effects on tropospheric radio-wave propagation over the Indian subcontinent. Delhi, 1975-79.

Dr. A.P. Mitra, Lecturer, Department of Physics and Astrophysics, University of Delhi, Delhi.

367. Vats, Hari Om.
Irregularities in the upper atmosphere. Gujarat, 1979.

Dr. M.R. Deshpande, Physical Research Laboratory, Ahmedabad.

368. Vijayvergia, Shri Kishan.
Theoretical and experimental study of absorption of radio waves in the ionosphere at low latitudes. Udaipur, 1978.

Dr. R.K. Rai, Assoc. Prof., Department of Physics, School of Basic Sciences and Humanities, University of Udaipur, Udaipur.

MODERN PHYSICS

Atomic Structure

369. Bhattacharjee, P.K.
Mass spectrometric studies of K^{39}/K^{41} and Li^{7}/Li^{6} abundance variations in synthetic and natural samples. I.I.Sc., Bangalore, 1974-79.

Prof. V.S. Venkatasubramanian, Department of Physics, Indian Institute of Science, Bangalore.

Prof. E.S. Raja Gopal, Head, Department of Physics, Indian Institute of Science, Bangalore.

370. Chakravorty, Tapash.
Jastrow variational calculation in many Fermian systems. Dibrugarh, 1976-79.

Dr. Parama Mahanta, Reader, Department of Physics, Dibrugarh University, Dibrugarh.

371. Deshmukh, Pranawachandra Chakradhar.
Some considerations in atomic and solid state physics with special reference to X-ray spectra. Nagpur, 1973-79.

Prof. C. Mande, Head, Department of Physics, Nagpur University, Nagpur.

Prof. P.L. Khare, Department of Physics, Nagpur University, Nagpur.

Radiations

372. Lahoti, Suresh Shrivallabh.
Study of Cerenkov radiation in isotropic and anisotropic media. Poona, 1978.

Prof. R.G. Takwale, Vice-Chancellor, University of Poona, Pune.

373. Pandey, Shiv Kumar.
Study of penetrative instabilities. Ravishankar, 1978.

Dr. S.M. Chitra, Department of Physics, Govt. College of Science, Raipur.

374. Risbud, Asmita Anil.
Effects of alternating electric field on Cerenkov radiation. Poona, 1973-78.

Prof. R.G. Takwale, Vice-Chancellor, University of Poona, Pune.

375. Sarkar, Pradip Kumar.
A study of Monte Carlo radiation transport calculators. Gujarat, 1975-79.

Dr. A.K. Ganguly, Bhabha Atomic Research Centre, Trombay, Bombay.

376. Sidhanta, Jibendranath.
Electromagnetic form factor of deuteron and nucleon and related problems. Calcutta, 1978.

Molecular Physics

377. Bhaumik, Dharmajyoti.
Theoretical studies on ground and excited state properties of polyatomic molecules. Calcutta, 1978.

378. Dinesha, K.V.
Spin-free configuration interaction studies in molecules : Group algebraic approaches. I.I.T., Bombay, 1975-79.

Dr. J.S.R. Murthy, Asstt. Prof., Department of Physics, Indian Institute of Technology, Bombay.

379. Gnanasekaran, S.
Molecular kinetic constants and vibrational problems. Madras, 1974-79.

Prof. P. Thirugnanasambandan, Head, Department of Physics, Presidency College, Madras.

380. Gopinath, C.R.
Molecular force fields of some compounds of sulphur and selenium. Bangalore, 1972-79.

Dr. K.S. Raghavendra Rao, Reader, Department of Physics, Bangalore University, Bangalore.

381. Jha, Ramesh.
SCF-LCAO-M.O.C.E study of electronic spectra and structure of polyatomic molecules. Magadh, 1975-79.

Dr. A.N. Singh, Lecturer, Department of Physics, Magadh University, Bodh-Gaya.

382. Kulkarni, K.S.
Semiempirical methods for ground state properties of O-bonded symmetric molecules. I.I.T., Bombay, 1976-79.

Dr. J.S.R. Murthy, Asstt. Prof., Department of Physics, Indian Institute of Technology, Bombay.

383. Narayanan Nampoori, V.P.
Study of spectra of some indium monohalide molecules. Baroda, 1974-79.

Prof. M.M. Patel, Head, Department of Physics, M.S. University of Baroda, Baroda.

384. Om Parkash.
Spectral studies on naphthalene and some of its mono derivatives. Kurukshetra, 1972-79.

Dr. R.D. Singh, Reader, Department of Physics, Maharshi Dayanand University, Rohtak.

385. Patil, D.C.
Comparative study of transition probabilities of some diatomic molecules using different approximation methods and potential energy functions. Karnatak, 1973.

Dr. V.M. Korwar, Reader, Department of Physics, Karnatak University, Dharwad.

386. Ramasamy, R.
Evaluation of centrifugal distortion constants and other related properties of some polyatomic molecules from spectroscopic data. Madras, 1973-78.

Prof. K.G. Srinivasacharya, Head Department of Physics, P.S.G. College of Arts and Sciences, Coimbatore.

387. Ram Gopal.
Spectroscopic investigations of diatomic molecules. Allahabad, 1971-79.

Dr. M.M. Joshi, Reader, Department of Physics, University of Allahabad, Allahabad.

388. Roy, Subir Kumar.
Microwave absorption and relaxation mechanisms in some polar organic molecules in the liquid state. North Bengal, 1977-79.

Dr. S.B. Roy, Reader, Department of Physics, Indian Association for Cultivation of Science, Calcutta.

389. Srinivasrao, L.
A molecular orbital study of some amides and thioamides. Osmania, 1979.

Dr. B.K. Gupta, Reader, Department of Physics, Osmania University, Hyderabad.

390. Vallamattom, Annie Joseph.
Studies in molecular spectroscopy. Cochin, 1974-79.

Prof. M.G. Krishna Pillai, Department of Physics, University of Cochin, Cochin.

Nuclear Physics

391. Gupta, Man Mohan.
Investigations in the even wave harmonic oscillator theory of baryonic states : Photo-couplings, pionic photo-couplings, pionic photoproduction and structure fuctions with "Mixed" nucleon. Delhi, 1972-79.

Prof. A.N. Mitra, Department of Physics and Astrophysics, University of Delhi, Delhi.

392. Mohapatra, Bimal Prasad.
Electroproduction, photoabsorption and proton-neutron mass difference in an analytic model of virtual Compton amplitude. Utkal, 1979.

Prof. B.B. Deo, Department of Physics, Utkal University, Vani Vihar, Bhubaneswar.

Fundamental Particles

393. Choudhury, Amulya Chandra.
A study of spallation hyper nuclei. Gauhati, 1975-78.

Dr. T.D. Goswami, Reader, Department of Physics, Gauhati University, Gauhati.

394. Gopala, K.
Studies on external Bremsstrahlung produced by beta particles. Mysore, 1978.

395. Goyal, Rameshwar Prasad.
Studies on dispersion of phonons and dielectric behaviour of ionic semiconductors and transition metal oxides. Agra, 1978.

Dr. S.C. Goyal, Department of Physics, Agra College, Agra.

396. Kulshreshtha, Daya Shankar.
Study of meson resonances and nucleon structure in a quark confining potential model. Delhi, 1977-79.

Dr. R.P. Saxena, Reader, Department of Physics and Astrophysics, University of Delhi, Delhi.

397. Nandakumaran, V.M.
Theoretical studies on exciton condensate and the excitonic phase in solids. I.I.Sc., Bangalore, 1971-79.

Prof. K.P. Sinha, Department of Physics, Indian Institute of Science, Bangalore.

398. Rajendra Prasad.
Daily variations during the period of sharp changes of cosmic ray intensity. Aligarh, 1971-78.

Dr. R.S. Yadav, Lecturer, Department of Physics, Aligarh Muslim University, Aligarh.

399. Sanjeevaiah, H.
Studies on inner Bremsstrahlung accompanying beta decay. Mysore, 1979.

400. Santosh Kumar.
Time variation of cosmic rays. Aligarh, 1974-78.

Dr. R.S. Yadav, Lecturer, Department of Physics, Aligarh Muslim University, Aligarh.

401. Satyanarayana, Upadrashta.
Isospin dependence of optical potential for neutrons upto 14MeV. Andhra, 1978.

Dr. S. Ramamurty, Reader, Department of Nuclear Physics, Andhra University, Waltair.

402. Sengupta, Nandita.
Study of collective states in nuclei. Calcutta, 1979.

403. Venkataramiah, P.
Studies on inner Bremsstrahlung accompanying forbidden beta transitions. Mysore, 1978.

Particle Acceleration

404. Asgekar, Vivek Bhalchandra.
Design studies of microtron electron accelerator with application to the Cerenkov radiation in millimeter wave range. Poona, 1972-78.

Prof. M.R. Bhiday, Head, Department of Physics, University of Poona, Pune.

405. Ghosh, Tapaskumar.
Studies on decays and production of new resonances. Calcutta, 1978.

Nuclear Structure

406. Ashwani Kumar.
Nuclear spectroscopy via weak coupling approximation to exact shell theory. Panjab, 1977-79.

Dr. R.K. Bansal, Reader, Department of Physics, Panjab University, Chandigarh.

407. Lakshminarayana, Sreerama.
Beta gamma directional correlations and nuclear structure. Andhra, 1979.

Dr. V. Seshagiri Rao, Lecturer, Department of Physics, Andhra University, Waltair.

*408. Samanta, Bhupal Chandra.
Studies on some problems of nuclear structure and nuclear interactions. Burdwan, 1977-79.

409. Singh, Vijai Bhadur.
High resolution spectroscopic studies. Allahabad, 1970-78.

Prof. Ashok Sharma, Director, Computer, Centre, Motilal Nehru Regional Engineering College, Allahabad.

410. Sudhakara Reddy, Dandala.
Internal conversion studies in ^{79}Sc, ^{122}Sb, ^{125}Te, ^{129}Xe and ^{139}Ce. Andhra, 1979.

Prof. V. Lakshminarayana, Department of Nuclear Physics, Andhra University, Waltair.

411. Verma, Udai Pratap.
Theoretical investigations on vibrational spectra. Meerut, 1977-79.

Dr. A.N. Pandey, Department of Physics, Meerut College, Meerut.

Nuclear Reactions

412. Kane, Sandhya Ashok.
Study of Auger electron energies for lithium (3) to uranium (92). Poona, 1970-78.

Prof. M.R. Bhiday, Head, Department of Physics, University of Poona, Pune.

413. Lakshmana Das, Nadukuru.
Studies on the pre-equilibrium contribution in neutron induced reactions at 14 MeV. Andhra, 1978.

Dr. J. Rama Rao, Reader, Department of Nuclear Physics, Andhra University, Waltair.

414. Raghavan, S.
$A_B O$ (3, 1) approach to the role of the pion in some high energy reactions. Osmania, 1979.

Prof. A.A. Kamal, Department of Physics, Osmania University, Hyderabad.

—*Radioactivity*

415. Ray, Sudiptanarayan.
Measurement of the differential incoherent scattering cross sections of gamma radiation at different energies. Calcutta, 1979.

416. Sharma, Ashok Kumar.
Studies on the decay schemes and level characteristics of certain medium and heavy weight nuclei. Panjab, 1976-79.

Prof. P.N. Trehan, Department of Physics, Panjab University, Chandigarh.

417. Srinivasa Rao, M.
Studies on first forbidden beta decay in Ga-72, Pm-149 and Ho-166. Andhra, 1979.

Dr. D.L. Sastry, Reader, Department of Nuclear Physics, Andhra University, Waltair.

—*Interactions*

418. Agarwal, Ajay Kumar.
Study of high energy interactions in graphite. Aligarh, 1972-78.

Prof. M.S. Swami, Department of Physics, Aligarh Muslim University, Aligarh.

419. Agarwal, G.P.
(1) Fabrication of 1024 channel pulse height analyser (ANIC and LSI version); and (2) Its use in the studies of gamma ray back scattering. Poona, 1974-79.

Dr. S.K. David, Reader, Department of Physics, University of Poona, Pune.

420. Amritkar, R.E.
Theoretical studies on some low temperature phases of interacting Fermian systems : Excitonic insulator and superfluid 3_{He}. I.I.Sc., Bangalore, 1973-79.

Prof. N. Kumar, Department of Physics, Indian Institute of Science, Bangalore.

421. Ashok Kumar.
Collision of electrons by atoms and molecules. Meerut, 1977-79.

Dr. V.K. Agarwal, Reader, Department of Physical Sciences, Institute of Advanced Studies. Meerut University, Meerut.

422. Bhattacharya, Kalyan.
Characteristics of fission produced in silver and bromine nuclei during high energy interactions. Gauhati, 1971-78.

Dr. T.D. Goswami, Reader, Department of Physics, Gauhati University, Gauhati.

423. Biswas, Manoranjan.
Measurement of number albedo and systematic studies on backscattering of gamma rays. Calcutta, 1978.

424. Biswas, Satyabrata.
Study of strong interaction at high energy. Kalyani, 1970-78.

Dr. P. Dasgupta, Reader, Department of Physics, University of Kalyani, Kalyani.

425. Chakrabarti, Bikaskanta.
Some features of spin—phonon interaction in magnetic transitions. Calcutta, 1979.

426. Chandel, Sham S.
Relativistic electron scattering from a two-centre potential. Himachal, 1978.

427. Desai, Ramesh Venkatesh.
Forward scattering techniques in the measurement of polydispersity. South Gujarat, 1973-78.

Dr. H.S. Shah, Department of Physics, S.V.R., College of Engineering, and Technology, Surat.

428. Fawzia Mujeeb.
An effective nuclear interaction. Aligarh, 1974-78.

Prof. M. Zillur Rahman Khan, Head, Department of Physics, Aligarh Muslim University, Aligarh.

429. Ghosh, Dipak Chander.
Some aspects of high energy interactions of proton in emulsion. Jadavpur, 1976-78.

Prof. T.C. Roy, Department of Physics, Jadavpur University, Calcutta.

430. Goyal, P.S.
Neutron scattering from condensed matter : Study of molecular, rotational and vibrational motions. Bombay, 1973-79.

Dr. P.K. Iyangar, Bhabha Atomic Research Centre, Trombay, Bombay.

431. Gupta, Prabha.
Quantum mechanical study of collisions of electrons with atoms and molecules. Meerut, 1975-79.

Prof. S.P. Khare, Department of Physical Sciences, Institute of Advanced Studies, Meerut University, Meerut.

432. Gupta, S.C.
A study of effective nucleon nucleon interactions in S.D. shell nuclei. Vikram, 1973-79.

Dr. K.P. Joshi. Reader, Department of Physics, University of Indore, Indore.

433. Jain, Animesh Kumar.
Analytical studies in potential scattering. B.I.T.S., Pilani, 1973-79.

Dr. C.S. Shastry, Assoc. Prof., Department of Physics, Birla Institute of Technology and Science, Pilani.

434. Jain, D.K.
Collision of electrons with atoms and molecules. Meerut, 1975-79.

Prof. S.P. Khare, Department of Physical Sciences, Institute of Advanced Studies, Meerut University, Meerut.

435. Joshi, Jagdish Chandra.
Excitation of spectra in reaction and by electron bombardment. Allahabad, 1969-78.

Prof. Ashok Sharma, Director, Computer Centre, Motilal Nehru Regional Engineering College, Allahabad.

436. Kirtane, Sunanda M.
Orbital effects in magnetic neutron scattering. I.I.T., Kanpur, 1972-79.

Dr. D.C. Khan, Asstt. Prof., Department of Physics, Indian Institute of Technology, Kanpur.

437. Kubakaddi, S.S.
Electron-two phonon interactions in semiconductors. Karnatak, 1979.

Dr. B.S. Krishnamurthy, Lecturer, Department of Physics, Karnatak University, Dharwad.

438. Kulhar, Vijendra Singh.
Investigations in two and three particle scattering theory and applications to atomic collision processes. B.I.T.S., Pilani, 1973-79.

Dr. C.S. Shastry, Assoc. Prof., Department of Physics, Birla Institute of Technology and Science, Pilani.

439. Kulkarni, Ashok Balkrishna.
Analytical study of fast neutron scattering and reaction mechanisms. Kurukshetra, 1972-79.

Prof. N. Nath, Head, Department of Physics, Kurukshetra University, Kurukshetra.

440. Mahapatra, J.K.
Pion-pion scattering. Utkal, 1979.

Prof. B.B. Deo, Department of Physics, Utkal University, Vani Vihar, Bhubaneswar.

441. Maiti, Nirupam.
Studies on ion-atom, electron-atom and electron-ion collisions. Calcutta, 1978.

442. Marwadi, Phulchand Rampratap.
Studies in potential scattering and optical model of elastic scattering. B.I.T.S , Pilani, 1972-79.

Dr. C.S. Shastry, Assoc. Prof., Department of Physics, Birla Institute of Technology and Science, Pilani.

443. Nath, Subrata.
Use of surface of revolution geometry for the measurement of different elastic scattering cross sections of fast neutrons. Calcutta, 1978.

444. Pant, T.C.
Energy transfer and ion-phonon interactions in luminescent systems. Kumaun, 1979.

Dr. D.D. Pant, Department of Physics, D.S.B. Govt. College, Nainital.

445. Raina, A.K.
Bonds involving form factors and elastic scattering amplitudes. Bombay, 1973 78.

Prof. V. Singh, Tata Institute of Fundamental Research, Colaba, Bombay.

446. Rama Rao, Mylavarapu.
Positron annihilation studies in condensed media and electric field effects. Calcutta, 1978.

CHEMISTRY

PHYSICAL & THEORETICAL CHEMISTRY

Molecular Structure

457. Bahuguna, Ganesh Prasad.
Calculation of some macroscopic properties of molecules by molecular orbital technique. Allahabad, 1976-79.

Prof. Bal Krishna, Department of Chemistry, University of Allahabad, Allahabad.

458. Mahajan, G.D.
Quantum mechanical calculations of molecular structure and properties. I.I.T., Bombay, 1974-79.

Prof. B.M. Deb, Department of Chemistry, Indian Institute of Technology, Bombay.

459. Upadhyay, Vijay Kant.
Structural studies of some molecules in solution by dielectric methods. Allahabad, 1973-78.

Prof. Bal Krishna, Department of Chemistry, University of Allahabad, Allahabad.

Stereochemistry

460. Mahajan, Vijay Kumar.
Stereochemistry of some oxygenated cedrane derivatives: Dehalogenations with Cr (II), epoxide formation, allyl alcohol oxidations and hydride reductions. Delhi, 1974-79.

Dr. G B.V. Subramaniam, Lecturer, Department of Chemistry, University of Delhi, Delhi.

461. Singh, Moirangthem Dhaneshwar.
Conformational analysis and stereochemical assignment by NMR spectroscopy. Banaras, 1975-79.

Dr. S.M. Verma, Reader, Department of Chemistry, Banaras Hindu University, Varanasi.

462. Sundari, V.
Kinetic evidence for steric enhancement of resonance. Annamalai, 1971-79.

Ex.-Prof. V. Baliah.

Molecular Bonding

463. Geetha, K.V.
Studies in molecular rearrangements. Madras, 1975-79.

Prof. S. Swaminathan, Department of Organic Chemistry, A.C. College of Technology, Madras.

464. Singh, Nripendra Bahadur.
Conformational studies about C-N bond by nuclear magnetic resonance spectroscopy and its application in the stereochemical assignments. Banaras, 1975-79.

Dr. S.M. Verma, Reader, Department of Chemistry, Banaras Hindu University, Varanasi.

—*Coordination Chemistry*

465. Gupta, Virendra Prakash.
Studies in coordination equilibria of substituted salicylic acids in aqueous solutions. Jabalpur, 1975-79.

Dr. D.D. Sharma, Head, Department of Applied Chemistry, Govt. Engineering College, Jabalpur.

466. Hajela, Basudev Prakash.
Coordination complexes of some group (IV) metal halides and alkoxides. Kanpur, 1979.

467. Mali, Bhagwat Dattoba.
Studies of coordination compounds. Marathwada, 1978.

Dr. L.D. Pethe, Lecturer, Department of Chemistry, Marathwada University, Aurangabad.

468. Mohanta, Hrudananda.
Coordination complexes of uranium and thorium. Utkal, 1978.

Dr. K.C. Dash, Reader, Department of Chemistry, Utkal University, Vani Vihar, Bhubaneswar.

469. Nigam, Ila.
Studies in coordination compounds. Allahabad, 1975-79.

Dr. M.H.N. Srivastava, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

470. Padmini, Menon.
Studies on coordination chemistry of less familiar elements with newer ligands. Bhopal, 1978.

Dr. G. Vishwanath.

471. Saini, Mehar Singh.
Coordination compounds : Metal halide complexes of organophosphorus compounds. Kurukshetra, 1974-79.

Dr. D.M. Puri, Reader, Department of Chemistry, Kurukshetra University, Kurukshetra.

472. Singh, Shiv Shanker.
Studies in coordination chemistry : Polarographic investigations of some mixed ligand complexes of copper (II). Allahabad, 1973-78.

Prof. H.L. Nigam, Department of Chemistry, University of Allahabad, Allahabad.

473. Verma, Mahendra Singh.
Studies on coordination compounds : Fundamentals of electrode behaviour of aquonickel (II) complex in different media at DME. Allahabad, 1972-78.

Prof. H.L. Nigam, Department of Chemistry, University of Allahabad, Allahabad.

474. Yadav, Brijpal.
Coordination chemistry of alkali cations : Kojic acid and its methyl ethers as ligands. Indore, 1976-78.

Dr. N.S. Poonia, Reader, Department of Chemistry, University of Indore, Indore.

Structural Variations

475. Dhal, Purnananda.
Influence of structural changes on absorption and pharmacological activity. Sambalpur, 1972-78.

Dr. A. Nayak, Lecturer, Department of Chemistry, Sambalpur University, Jyoti Vihar, Buria.

476. Parikh, Sanatkumar Ochhavlal.
Chelating polymers. Baroda, 1975-79.

Prof. A.M. Talti, Department of Chemistry, M.S. University of Baroda, Baroda.

—Chelates

477. Gopendra Kumar.
Studies on metal chelates. Allahabad, 1972-78.

Dr. M.H.N. Srivastava, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

478. Gupta, Ram Chandra.
Studies in some new metal chelates. Allahabad, 1975-78.

Dr. Om Prakash, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

479. Mahana, Tulsi Das.
Studies on metal chelates. Sambalpur, 1974-78.

Dr. K.C. Satpathy, Reader, Department of Chemistry, Sambalpur University, Jyoti Vihar, Burla.

480. Maiti, B.
Physico-chemical investigation of some metal chelates. Bombay, 1974-78.

Dr. M. Sankar Das, Bhabha Atomic Research Centre, Trombay, Bombay.

481. Patil, I.R.
Studies in formation constants of metal chelates with Schiff's bases. Bombay, 1973-78.

Dr. M.G. Datar, Institute of Science, Fort, Bombay.

482. Rane, S.Y.
Metal chelates of methylated isomeric juglones. Poona, 1974-78.

Dr. B.A. Kulkarni, Lecturer, Department of Chemistry, University of Poona, Pune.

Quantum Chemistry

483. Roychowdhury, U.K.
Vibrational and rotational temperatures of $N+_2$ ($B^2 \Sigma u^+ — x^2 \Sigma^+ g$) and N_2 (C^3 IIu $6B^3$ II) band systems from a nitrogen plasma in magnetic field. I.I.T., Kanpur, 1971-79.

Prof. P.K. Ghosh, Department of Chemistry, Indian Institute of Technology, Kanpur.

484. Shankar, Anjali.
Some aspects of single-particle density in molecular quantum mechanics. I.I.T., Bombay, 1973-79.

Prof. B.M. Deb, Department of Chemistry, Indian Institute of Technology, Bombay.

Solutions

485. Aggarwal, S.K.
Thermodynamic and transport studies of some solutions involving mixed solvents. Himachal, 1978.

486. Ansari, Niaz Ahmad.
Studies in chlorosulphuric acid solvent systems. Aligarh, 1975-78.

Prof. S.A.H. Zaidi, Department of Chemistry, Aligarh Muslim University, Aligarh.

487. Dhillon, Devinder Singh.
Chlorosulphuric acid solvent system and chlorosulphates. Panjab, 1974-79.

Prof. R.C. Paul, Vice-Chancellor, Panjab University, Chandigarh.

488. Dwivedi, Krishna Swarup.
Ultrasonic study of some aqueous and non-aqueous systems. Allahabad, 1974-78.

Dr. Om Prakash, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

9. Pathak, Rama Nand.
A study of solute-solvent interaction in nonaqueous solvent-water mixtures from apparent molar volums measurements. Lucknow, 1973-78.

Prof. Ram Gopal.

490. Sarath Babu, M.
Quantitative precipitations from homogeneous solution. Jabalpur, 1975-79.

Dr. P.N. Rao, Department of Applied Chemistry, Govt. Engineering College, Jabalpur.

491. Sharma, Virender Parkash.
Studies in transport processes on some mixed solvents and solutions of electrolytes in mixed solvents. Panjab, 1975-79.

Prof. M.L. Lakhanpal, Department of Chemistry, Panjab University, Chandigarh.

492. Sobaran Singh.
Ultrasonic studies in aqueous and non aqueous media. Allahabad, 1975-78.

Dr. Sheo Prakash, Reader, Department of Chemistry, University of Allahabad, Allahabad.

493. Srinivasan, D.
Physico-chemical studies on solute-macromolecule interactions. Bombay, 1972-78.

Prof. S.R.S. Iyer, Department of Chemical Technology, University of Bombay, Bombay.

494. Yadav, Surendra Kumar Singh.
Acoustic properties of liquids and solutions. Allahabad, 1977-79.

Dr. Sheo Prakash, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

Colloid Chemistry

495. Gupta, Girraj Kishor.
Studies on soil colloid pesticide interactions. Aligarh, 1974-78.

Prof. Mohsin Qureshi, Head, Department of Chemistry, Zakir Husain Engineering College, Aligarh Muslim University, Aligarh.

496. Kedar Singh.
Studies on colloid chemical behaviour of manganese soaps in organic solvents. Meerut, 1976-79.

Dr. R.P. Verma, Department of Chemistry, D.A.V. College, Muzaffarnagar.

Surface Chemistry

497. Bansal, Om Prakash.
Studies on interaction of pesticides on membrane phenomena. Aligarh, 1974-78.

Dr. Samiullah Khan, Department of Chemistry, Aligarh Muslim University, Aligarh.

498. Bhatnagar, Ravindra Prasad.
Studies on chemical deposition of thin films of solar cells by thioureas and their transition metal complexes. B.I.T.S., Pilani, 1974-79.

Prof. S.K. Banerji, Head, Department of Chemistry, Birla Institute of Technology and Science, Pilani.

499. Dhami, Tarsem Lal.
Surface characteristics and surface behaviour of some polymer carbons. Panjab, 1979.

Dr. R.C. Bansal, Reader, Department of Chemistry, Panjab University, Chandigarh.

500. Gupta, Uma Rani.
Adsorption, surface area and reactivity measurements of micro-crystalline carbons. Panjab, 1976-79.

Dr. B.R. Puri, Lecturer, Department of Chemistry, Panjab University, Chandigarh.

501. Kapoor, Rakesh.
Anodic oxide films on valve metals. Maharshi Dayanand, 1979.

502. Mandale, Ananda Balavant.
Some studies on the electrical properties of chalcogenide and oxide films. Poona, 1974-79.

Dr. A. Goswami, Assistant Director, National Chemical Laboratory, Pune.

503. Narula, B.J.
Development of osmotic membrane for the reverse osmosis process. Saurashtra, 1974-78.

Dr. M.V. Chandorikar, Central Salt and Marine Chemical Research Institute, Bhavnagar.

504. Pooran Prakash.
Membrane phenomena. Aligarh, 1973-78.

Dr. Fassih Ahmad Siddiqi, Reader, Department of Chemistry, Aligarh Muslim University, Aligarh.

505. Prasad, Sudarsana Damodara.
On some problems in adsorption and catalysis. Poona, 1973-78.

Dr. L.K. Doraiswamy, Head, Department of Chemical Engineering and Process Development, National Chemical Laboratory, Pune.

506. Radhey Shyam.
Studies on membrane phenomena. Aligarh, 1975-78.

Dr. M.A. Beg, Reader, Department of Chemistry, Aligarh Muslim University, Aligarh.

Photochemistry

507. Deshmukh, Shashikant Narayan.
Electro-optical and structural properties of some electroluminophors. Shivaji, 1973-79.

Dr. D.S. Ambardekar, Reader, Department of Chemistry, Shivaji University, Kolhapur.

508. Kamat, P.V.
Photoelectrochemical study of dye-redox and semiconductor-redox systems. Bombay, 1974-78.

Dr. M.D. Karkhanawala, Bhabha Atomic Research Centre, Trombay, Bombay.

509. Kathuria, S.R.
Gamma rays induced thermoluminescence, its kinetic and *photo-transferred thermoluminescence in lithium* fluoride. Bombay, 1975-79.

Dr. A.K. Ganguly, Bhabha Atomic Research Centre, Trombay, Bombay.

510. Manoharjit Kaur.
Some photochemical reactions and chemical synthesis. Kurukshetra, 1974-79.

Prof. S.M. Mukherji, Department of Chemistry, Kurukshetra University, Kurukshetra.

Thermochemistry

511. Mohammad Faiz Ahmad.
Thermochemical studies of uranium and some uranyl complexes. Bhagalpur, 1978.

512. Prasad, K.P.S S.C.V.
Thermochemical studies of some biochemical model compounds. I.I.T., Kanpur, 1973-79.

Dr. J.C. Ahluwalia.

Prof. S. Ranganathan, Head, Department of Chemistry, Indian Institute of Technology, Kanpur.

513. Puntambekar, Shrirang Vishnu.
Annealing studies in various bromates and their solid solutions following (n, r) reaction. Poona, 1971-78.

Prof. H.J. Arnikar, Department of Chemistry, University of Poona, Pune.

Thermal Dissociation

514. Bohidar, Neeta.
Role of irradiation in the thermal decomposition of barium perchlorate and barium perchlorate-barium chloride mixtures. Utkal, 1979.

Prof. S.R. Mohanty, Department of Chemistry, Utkal University, Vani Vihar, Bhubaneswar.

515. Ganga Devi, T.
Thermal decomposition of zirconyl oxalates of bivalent metals. I.I.Sc., Bangalore, 1975-79.

Dr. M. Subba Rao, Asstt. Prof., Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore.

Dr. T.R.N. Kutty, Asstt. Prof., Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore.

516. Awasthi, S.P.
Thermodynamics of ion association systems. Bombay, 1963-79.

Dr. M. Sundaresan, Bhabha Atomic Research Centre, Trombay, Bombay.

517. Chatterjee, Ranjit.
Some thermodynamic aspects of interactions of biopolymers in aqueous and non-aqueous media. Jadavpur, 1973- 8.

Dr. S.P. Moulik, Lecturer, Department of Physical Chemistry, Jadavpur University, Calcutta.

Dr. D.K. Chattoraj, Reader, Department of Food Technology and Biochemical Engineering, Jadavpur University, Calcutta.

518. Mishra, Ram Lakhan.
Some acoustical and thermodynamical parameters. Allahabad, 1974-78.

Dr. J.D. Pandey, Department of Chemistry, University of Allahabad, Allahabad.

519. Pradhan, S.D.
Thermodynamic study of binary liquid mixtures : The calorimetric study on self association of isomeric butyl amines and their interactions with methanol. Bombay, 1971-78.

Dr. H.B. Mathur, National Chemical Laboratory, Pune.

520. Shagotra, Buta Ram.
Thermodynamics of molecular interactions in binary liquid mixtures of non-electrolytes. Punjabi, 1976-79.

Prof. K.S. Sidhu, Department of Chemistry, Punjabi University, Patiala.

521. Sharma, Raj Shree.
Thermodynamics of metal complexes. Rajasthan, 1976-78.

Prof. J.N. Gaur, Department of Chemistry, University of Rajasthan, Jaipur.

Electrochemistry

522. Gopikanth, M.L.
State of charge analysis of batteries. I.I.Sc., Bangalore, 1974-78.

Prof. S Satyanarayana, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore.

Prof. S.K. Rangarajan, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore.

523. Kale, Madhuri Madhav.
Electrical properties of semiconducting vanadium phosphate glasses. Poona, 1977-79.

Dr. A.P.B. Sinha, National Chemical Laboratory, Pune.

524. Mahendru, S.P.
Model potential studies within FSGO formalism. Delhi, 1975-79.

Dr. K.N. Roy, Lecturer, Department of Chemistry, University of Delhi, Delhi.

525. Naresh Chandra.
Studies on the interaction of napaladed ions and its derivatives with metal ions. Garhwal, 1975-79.

Dr. S.S. Sawhney, Department of Chemistry, D.A.V. College, Dehradun.

Electrolytic Solutions

526. Das, Bijoy Ketan.
Behaviour of electrolytes in mixed solvents. Utkal, 1979.

Prof. P.K. Das.

527. Das, Nimai Charan.
Behaviour of electrolytes in mixed solvents. Utkal, 1979.

Dr. P.B. Das, Reader, Department of Chemistry, Ravenshaw College, Cuttack.

528. Siva Prasad, P.
Ion solvent interactions is isodielectric binary mixed solvents. I.I.T., Madras, 1979.

Dr. C. Kalidas, Asstt. Prof., Department of Chemistry, Indian Institute of Technology, Madras.

—*Ionic Equilibrium*

529. Anantaswamy, J.
Studies on ion-pair formation. Osmania, 1979.

Prof. T. Navaneeth Rao, Head, Department of Chemistry, Osmania University, Hyderabad.

530. Bhardwaj, Somdev.
Cation-exchange equilibrium studies of some lanthanides in aqueous and mixed solvents. Jiwaji, 1975-79.

Dr. R.P. Bhatnagar, Reader, Department of Chemistry, Jiwaji University, Gwalior.

531. Gnanasundaram, P.
Some reactions involving metal ions. Madras, 1974-79.

Prof. H. Kothandaraman, Department of Physical Chemistry, A.C. College of Technology, Madras.

532. Iyer, S.G.
Ion exchange studies. Bombay, 1973-79.

Dr. C.K. Venkateswarlu, Bhabha Atomic Research Centre, Trombay, Bombay.

533. Kole, Renupada.
Studies on the certain exchange behaviour of synthetic aluminosilicate hydrogel. Calcutta, 1979.

*534. Saha Roy, Swapan Kumar.
Studies on the electrode behaviour of some ion-exchange membranes. Burdwan, 1976-78.

Dr. Arun Sankar Basu, Reader, Department of Chemistry, University of Burdwan, Burdwan.

535. Shameem Naheed.
Properties of inorganic ion exchangers and some solid state reactions. Aligarh, 1974-78.

Dr. K.G. Varshney, Lecturer, Department of Chemistry, Zakir Husain Engineering College, Aligarh Muslim University, Aligarh.

536. Sharma, Vinod Kumar.
Studies in the cation exchange behaviour of metal ions of first transition series in aqueous propanol. Jiwaji, 1973-78.

Dr. R.P. Bhatnagar, Reader, Department of Chemistry, Jiwaji University, Gwalior.

537. Thakur, Jagat Singh.
Some studies of inorganic ion-exchangers based on silicon and tantalum. Aligarh, 1974-78.

Prof. Mohsin Qureshy, Head, Department of Chemistry, Zakir Husain Engineering College, Aligarh Muslim University, Aligarh.

—*Electrode Phenomena*

538. Agarwal, Anil Kumar.
Studies on electrodeposition of copper and cadmium binary alloys. Lucknow, 1974-78.

Dr. R.D. Srivastava, Reader, Department of Chemistry, University of Lucknow, Lucknow.

539. Ramamurthy, A.C.
Absorption and electrochemical kinetics at a dropping mercury electrode. I.I.Sc., Bangalore, 1974-79.

Prof. S. Satyanarayanan, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore.

Radiochemistry

540. Agarwal, U.P.
Fluorescence lifetimes of ground and excited state EDA complexes and spectroscopic and theoretical studies of intermolecular and ion molecule interactions. I.I.T., Kanpur, 1975-79.

Dr. C.N.R. Rao, Department of Chemistry, Indian Institute of Technology, Kanpur.

541. Gurbir Singh.
Radiochemical studies in the carrying of arsenate and certain other ionic species on selected ionic solids. Delhi, 1963-79.

Dr. K.R. Kar, H-1573, Chittaranjan Park, New Delhi.

542. Jain, Suresh Chand.
Radioactive indicator studies in certain aspects of the carrying of strontium (II), yttrium (III) and phosphorus (V) by preformed barium sulphate. Delhi, 1965-79.

Dr. K.R. Kar, H-1573, Chittaranjan Park, New Delhi.

543. Pathak, T.P.
Electrolytic colouration and luminescence studies in alkali halides and (n,r) reaction in some halogen compounds. Poona, 1975-79.

Dr. H.J. Arnikar, Lecturer, Department of Chemistry, University of Poona, Pune.

544. Sharma, Damayanti.
Steady-state radiolysis of the hexacyano ferrate (II & III) and octacyanomolybdate (IV) ions in aqueous solutions. Delhi, 1973-79.

Dr. B.K. Sharma, Reader, Department of Chemistry, University of Delhi, Delhi.

545. Subramanian, V.H.
Design and construction of an injection and phase locked super-regenerative oscillator nuclear quadrupole resonance spectrometer and ^{35}CL NQR studies on powder specimens. I.I.T., Kanpur, 1972-79.

Prof. P.T. Narasimhan, Department of Chemistry, Indian Institute of Technology, Kanpur.

546. Umesh Chandra.
Studies on exchange and movement of isotopes in soil and water media. Bombay, 1975-78.

Dr. V.K. Iyar, Bhabha Atomic Research Centre, Trombay, Bombay.

Reaction Kinetics & Mechanisms

547. Ali Mohammad.
Studies on solid state reactions of analytical importance. Aligarh, 1973-78.

Prof. Mohsin Qureshy, Head, Department of Chemistry, Zakir Hussain Engineering College, Aligarh Muslim University, Aligarh.

548. Dwivedi, Virendra Kumar.
Studies on the mechanism of amine exchange reaction. Lucknow, 1973-78.

Dr. Y.D. Kulkarni, Reader, Department of Chemistry, University of Lucknow, Lucknow.

549. Ganga Prasad.
Mechanistic studies on ageing behaviour of composite solid propellants. I.I.Sc., Bangalore, 1975-78.

Dr. K. Kishore, Asstt. Prof., Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore.

550. Gombar, Vijay Kumar.
Theoretical investigations of mechanism of some photochemical reactions. Panjab, 1975-78

Prof. D.V.S. Jain, Department of Chemistry, Panjab University, Chandigarh.

551. Jagannadham, V.
A kinetic study of some reactions in solution. Osmania, 1979.

Dr. B. Sethuram, Reader, Department of Chemistry, Osmania University, Hyderabad.

552. Jukar, R.N.
Kinetics and mechanisms of some rapid reactions. Poona, 1976-79.

Dr. T.S. Rao, Reader, Department of Chemistry, University of Poona, Pune.

553. Mandhir Kumar.
Kinetics and mechanism of some reactions in solution. Allahabad, 1974-78.

Dr. M.P. Singh, Reader, Department of Chemistry, University of Allahabad, Allahabad.

554. Muralidharan, V S.
Some aspects of kinetics and mechanism of corrosion and passivation of metals in aqueous media. Banaras, 1974-79.

Dr. K S. Rajagopalan, Central Electrochemical Research Institute, Karaikudi.

Prof. M V. Ramanamurti, Department of Chemistry, Banaras Hindu University, Varanasi.

555. Naim Fatima.
Synthesis of exchange studies on inorganic materials based on nickel, cobalt and tin. Aligarh, 1973-78.

Prof. Mohsin Qureshy, Head, Department of Chemistry, Zakir Husain Engineering College, Aligarh Muslim University, Aligarh.

556. Narendra Singh.
Studies in kinetics and mechanism of some reactions in solution. Allahabad, 1976-78.

Dr. M.P. Singh, Reader, Department of Chemistry, University of Allahabad, Allahabad.

557. Pandey, Lalji.
Kinetics and mechanism of some reactions in solutions. Allahabad, 1976-79.

Prof. S.P. Mushran, Department of Chemistry, University of Allahabad, Allahabad.

258. Paul, Gajinder.
Kinetics and mechanism of solidification from binary system. Jammu, 1971-79.

Dr. P.S. Bassi, Head, Department of Chemistry, University of Jammu, Jammu.

559. Singh, Ravindra Nath.
Kinetics and mechanism of some reactions in solution Allahabad, 1975-78.

Dr. H.S. Singh, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

560. Thimmaiah, K.N.
Spectrophotometric study of the reactions of transition metals with phenothiazines. Mysore, 1978.

Specific Reactions

—Oxidation & Reduction

561. Dixit, Pramod Kumar.
Mechanistic studies of oxidation reactions in solution. Allahabad, 1976-79.

Dr. Bharat Singh, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

562. Gupta, Anindya Kumar.
Role of singlet oxygen in photodynamic oxidation of iodide ion by anthracene sulphonates. Jadavpur, 1974-78.

Prof. (Mrs.) K.K. Rohatgi Mukherjee, Department of Chemistry, Jadavpur University, Calcutta.

563. Gupta, Krishan Datt.
Reduction of metal ions in various media at D.M.E. Rajasthan, 1976-78.

Prof. J.N. Gaur, Department of Chemistry, University of Rajasthan, Jaipur.

564. Khare, Anil Kumar.
Kinetics of the oxidation of some unsaturated acids by chromium (IV). Awadhesh Pratap, 1979.

Dr. R.V. Iyer.

565. Mandal, Santosh Kumar.
Studies on electron exchange columns. manganese (IV) as an oxidimetric reagent, and reduction of permanganate in sulphuric acid solutions. Utkal, 1978

Dr. B.R. Sant, Asstt. Director, Regional Research Laboratory, Bhubaneswar.

566. Misra, Prafulla Kumar.
Kinetics and mechanism of some oxidation reactions. Berhampur, 197 -78.

Dr. G.P. Panigrahi, Reader, Department of Chemistry, Berhampur University, Berhampur.

567. Nandel, Fateh Singh.
Kinetics of reduction of hexacyanoferrate (III) by some inorganic substrates. Panjab, 1975-79.

Prof. D.V.S. Jain, Department of Chemistry, Panjab University, Chandigarh.

568. Parihar, Ravindra Singh.
Investigations on the kinetics of alkaline chloramine-T

oxidation of norleucine, argininemonohydrochloride and hydroxy proline and the role of Cu (II) catalyst in these reactions. Agra, 1978.

Dr. D.R. Singh, Head, Department of Chemistry, R.B.S. College, Agra.

569. Ram Avtar.
Study of the oxidation kinetics of $CuFeO_2$ in Cu-Fe-0 system. I.I.T., Delhi (Physics) 1974-79.

Prof. K.L. Chopra, Department of Physics, Indian Institute of Technology, New Delhi.

570. Satyanarayana Murthy, Rapaka Venkata.
Kinetics of some vanadium (V) oxidations. Andhra, 1979.

Dr. P.V. Subba Rao, Lecturer, Department of Chemistry, Andhra University, Waltair.

571. Singh, Kameshwar.
Kinetics and mechanism of some oxidations by N-bromosuccinimide. Allahabad, 1975-78.

Prof. S.P. Mushran, Department of Chemistry, University of Allahabad, Allahabad.

572. Singh, Satyendra.
Redox kinetics in solutions. Allahabad, 1977-79.

Dr. Bharat Singh, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

573. Sriramulu, Y.
Mechanism of oxidation reactions. Berhampur, 1975-78.

Dr. Subas C. Pati, Reader, Department of Chemistry, Berhampur University, Berhampur.

574. Surender Rao, V.
A kinetic study of some redox reactions. Osmania, 1979.

Prof. T. Navaneeth Rao, Head, Department of Chemistry, Osmania University, Hyderabad.

—Polymerization

575. Dubey, Surendra Lal.
Redox polymerization. Jabalpur, 1975-78.

Prof. G.S. Mishra, Head, Department of Chemistry, University of Jabalpur, Jabalpur.

576. Mishra, Sada Nand.
Kinetic behaviour of some redox polymerization reactions. Lucknow, 1972-78.

Dr. M.M. Husain, Lecturer, Department of Chemistry, University of Lucknow, Lucknow.

577. Rout, Swoyam Prakash.
Kinetics of redox polymerization involving cerium (IV), vanadium (V), and chromium (VI). Utkal, 1978.

Prof. M. Santappa, Director, Central Leather Research Institute, Adyar, Madras.

Catalysis

578. Muralidhar, G.
Studies on catalytic decomposition of nitrous oxide on rare earth transition metal oxide perovskites. I.I.T., Madras, 1979.

Prof. V. Srinivasan, Head, Department of Chemistry, Indian Institute of Technology, Madras.

579. Usha, A.V.
A kinetic study of some catalysed redox reactions. Osmania, 1978.

Dr. B Sethuram, Reader, Department of Chemistry, Osmania University, Hyderabad.

Optical Activity

580. Bhatt, S.B.
Studies on optical activity. Saurashtra, 1974-78.

Dr. A.R. Parikh, Reader, Department of Chemistry, Saurashtra University, Rajkot.

ANALYTICAL CHEMISTRY

581. Shukla, Deep Kumar.
Chemical analysis of some historical antiquities. Allahabad, 1975-79.

Dr. A.K. Ghosh, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

Reagents

582. Bhatt, Alka.
Potential analytical reagents for pollutants of air and water. Ravishankar, 1978.

Dr. V.K. Gupta, Lecturer, Department of Chemistry, Ravishankar University, Raipur.

583. Datta, Bhabani.
Studies on some analytical reagents for the determination of rhenium : Gravimetry and spectrophotometry. Jadavpur, 1974-78.

Prof. A.K. Majumdar, Department of Chemistry, Jadavpur University, Calcutta.

584. Dave, Jagdish Kumar.
Studies in the synthesis and analytical applications of luminescent reagents. Indore, 1976-78.

Dr. S.K. Gupta, Asstt. Prof., Department of Chemistry, Govt. Girls College, Indore.

585. Desai, K.K.
Studies on o-hydroxy group as analytical reagents. Gujarat, 1979.

Dr. K.B. Naik, Department of Chemistry, Gujarat College, Ahmedabad.

586. Ramarao, Kosaraju.
Some new analytical applications of potassium dichromate. Andhra, 1978.

Dr. N. Krishna Murty, Reader, Department of Chemistry, Andhra University, Waltair.

587. Satyanarayana, Vallabhaneni.
Some analytical applications of iron (II) in phosphoric acid medium. Andhra, 1978.

Dr. N. Krishna Murty, Reader, Department of Chemistry, Andhra University, Waltair.

588. Seshadri Naidu, R.
O-hydroxycarbonyl compounds and their derivatives as inorganic analytical reagents. Venkateswara, 1975-79.

Dr. R. Raghava Naidu, Reader, Department of Chemistry, S.V.U. College of Arts and Sciences, Tirupati.

589. Vyas, Ramniklal.
Chemical investigations on analytical reagents. Gujarat, 1975-78.

Dr. (Miss) M.H Gandhi, Reader, Department of Chemistry, Gujarat University, Ahmedabad.

Qualitative Analysis

590. Patel, B.M.
Spectrochemical methods of trace analysis. Bombay, 1972-79.

Dr. M.V. Ramaniah, Bhabha Atomic Research Centre, Trombay, Bombay.

Quantitative Analysis

Gravimetric Analysis

591. Thakur, Satiprasanna Das.
Studies on the determination and separation of vanadium and cerium : Gravimetry and spectrophotometry. Jadavpur, 1975-78.

Dr. B.K. Pal, Reader, Department of Chemistry, Jadavpur University, Calcutta.

Dr. B.K. Mitra, Reader, Department of Chemistry, Jadavpur University, Calcutta.

Volumetric Analysis

592. Balakrishna Naidu, P.
Titrations in non-aqueous media : A study relating to use of chlorosulphonic acid as titrant. Venkateswara, 1972-79.

Prof. P. Ramachandra Naidu, Head, Department of Chemistry, Sri Venkateswara University College of Engineering, Tirupati.

Electroanalysis

593. Manchanda, Ashok Kumar.
Electroanalytical applications of the tubular graphite electrode. Panjab, 1976-79.

Prof. L.R. Sharma, Department of Chemistry, Panjab University, Chandigarh.

—Potentiometric Methods

594. Singh, Krishna Chandra.
Potentiometric studies on some electrolytes in mixed solvents. Utkal, 1978.

Prof. P.K. Das.

—Polarographic Methods

595. Gitaram.
Studies on the suppression of polarographic maxima of some organic and inorganic depolarizers by some surfactants vis-a-vis their adsorption characteristics. Agra, 1978.

Dr. M. Singh, Department of Chemistry, Agra College, Agra.

5 96. Goyal, Harish Chandra.
Polarographic studies of some inorganic and organic depolarizers. Agra, 1978.

Dr. M. Singh, Department of Chemistry, Agra College, Agra.

Spectroscopic Analysis

597. Karthikeyan, G.
Studies in chemical spectroscopy : Some problems relating to the determination of the properties of molecular complexes from charge transfer spectra. Madurai, 1975-79.

Prof. N.R. Subburatnam, School of Chemistry, Madurai Kamaraj University, Madurai.

Chromatographic Analysis

598. Bhargava, Chandra Bhushan.
X-ray absorption studies in copper and its compounds. Allahabad (Physics) 1971-79.

Dr. A.N. Vishnoi, Department of Physics, University of Allahabad, Allahabad.

599. Eusebius, Lalit Calvin Theodore.
Ion exchange resins in inorganic analysis. Allahabad, 1973-78.

Dr. A.K. Ghosh, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

600. Patil, Prakash Shamrao.
Studies on analytical applications of liquid ion exchangers and synergism in metal extractions. Shivaji, 1975-78.

Dr. V.M. Shinde, Lecturer, Department of Chemistry, Shivaji University, Kolhapur.

INORGANIC CHEMISTRY

Metals

601. Johri, Ranjana.
Chemistry of less common metals. Allahabad, 1973-78.

Dr. M.H.N. Srivastava, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

602. Mitra, Monidipa.
Application of physico-chemical methods in the separation and determination of some rare and common metals. Jadavpur, 1975-78.

Dr. B.K. Mitra, Reader, Department of Chemistry, Jadavpur University, Calcutta.

Salts

603. Agrawal, P.K.
Studies on copolyphosphates. Gorakhpur, 1979.

604. Anwar Ali.
Optical spectra and transport behaviour of molten salt system. Aligarh, 1976-78.

Dr. Nurul Islam, Reader, Department of Chemistry, Aligarh Muslim University, Aligarh.

605. Madhusudanan, P.M.
Studies on the thermal behaviour of some metal salts and complexes. Kerala, 1972-78.

Prof. C.G. Ramachandran Nair, Head, Department of Chemistry, University of Kerala, Trivandrum.

606. Mukhtar Ahmad.
Physico-chemical studies of molten salt systems. Aligarh, 1975-78.

Dr. Nurul Islam, Reader, Department of Chemistry, Aligarh Muslim University, Aligarh.

607. Ramanna, S.
Effect of anions and effect of addition of other metal oxides on the surface properties and catalytic activity of titanium (iv) oxide. Bangalore, 1975-79.

Dr. S.P. Walwekar, Reader, Department of Chemistry, Bangalore University, Bangalore.

608. Vajpei, Avinash Chandra.
Studies on iron doping in some metal oxide systems. Roorkee, 1975-79.

Dr. I.P. Sarswat, Reader, Department of Chemistry, University of Roorkee, Roorkee.

609. Vijayakumar, K.M.
Studies on the decomposition of nitrous oxide on rare earth transition metal mixed oxides with $KNiF_3$ and K_2NiF structures. I.I.T., Madras, 1979.

Dr. C.S. Swamy, Asstt. Prof., Department of Chemistry, Indian Institute of Technology, Madras.

—*Complexes*

610. Adi, M.B.
Study of complexes of rare metals utilising thiourea and its derivatives as ligands. Karnatak, 1978.

Dr. A. Sitaramachandramurthy, Department of Chemistry, Karnatak University, Dharwad.

611. Agarwal, Murlidhar.
Study of preseodymium and neodymium complexes of carboxylic acids. Saugar, 1979.

Dr. M.K. Dixit, Reader, Department of Chemistry, University of Saugar, Sagar.

612. Agarwal, R.C.
Physico-chemical studies of some rare earth metal complexes. Bundelkhand. 1979.

Dr. B.S. Rajput, Head, Department of Chemistry, Govt. Post-Graduate College, Morena.

613. Agrawal, Om Prakash.
Synthesis and structural studies of the complexes of 2-thiazolidinethione, 2-4-thiazolidinedione and related ligands with certain Lewis acids. Avadh, 1979.

Dr. P.P. Singh, Head, Department of Chemistry, M.L.K. Degree College, Balrampur, Gonda.

614. Amjad Hussain.
Investigations on complexes of Al (III), Ga (III), In (III) with aminopolycarboxylic acids, amino acids and peptides. Osmania, 1978.

Prof. M.M. Taqui Khan, Head, Department of Chemistry, Nizam College, Hyderabad.

615. Anuradha.
Studies on sulphur containing compounds : Metal complexes of thiocarboxylic acids. Aligarh, 1976-78.

Dr. K.C. Tewari, Reader, Department of Chemistry, Aligarh Muslim University, Aligarh.

616. Arya, S.K.
Studies on alkali and alkaline earth niobates, niobium complexes with some organic ligands and their semiconducting properties. B.I.T.S., Pilani, 1974-79.

Dr. K.P. Srivastava, Assoc. Prof., Department of Chemistry, Birla Institute of Technology and Science, Pilani.

617. Ashok Kumar.
Studies on the complexes of zirconium, thorium and uranium with some nitrogen donor ligands. Lucknow, 1971-78.

Dr. C.S. Pandey, Reader, Department of Chemistry, University of Lucknow, Lucknow.

618. Balaji, B.K.
Studies on the complexes of iron and cobalt. Mysore, 1978.

619. Balakrishnan, K.P.
Reactions of coordinated ligands : Studies on nickel (II) and copper (II) complexes of glyoxaliminearyl-hydrazones. I.I.Sc., Bangalore, 1975-79.

Dr. V. Krishnan, Asstt. Prof., Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore.

620. Banerjee, Vishwanath.
Metal complexes of some transition elements. Allahabad, 1977-79.

Prof. A.K. Dey, Department of Chemistry, University of Allahabad, Allahabad.

621. Bharadwaj, P.K.
Studies on mixed fluoro-complexes of uranyl ion. I.I.T., Kharagpur, 1975-79.

Dr. M.C. Chakraborty, Asstt. Prof., Department of Chemistry, Indian Institute of Technology, Kharagpur.

622. Bharat Bhushan.
Thermal and other physico-chemical studies on some metal complexes of N-aryl substituted dithiocarbamates and their reactions with bis (π-cyclopentadienyl) titanium (IV)/zirconium (IV) dichlorides. Delhi, 1976-79.

Dr. N.K. Kaushik, Lecturer, Department of Chemistry, University of Delhi, Delhi.

623. Bhatnagar, Rajender Kumar.
Studies in the metal complexes of hydrazides. Jiwaji, 1973-78.

Dr. K.K. Pandey, Head, Department of Chemistry, Govt. Science College, Gwalior.

624. Bhattacharyya, Aparna.
Studies on complexes in solution. Kalyani, 1975-78.

Dr. S.C. Lahiri, Lecturer, Department of Chemistry, University of Kalyani, Kalyani.

625. Damoder Reddy.
Physico-chemical studies of metal complexes in solution. Osmania, 1978.

Prof. T. Navaneeth Rao, Head, Department of *Chemistry, Osmania University, Hyderabad.*

626. Das, Asokkumar.
Studies on metallic complexes of some heterocyclic ligands. Calcutta, 1978.

627. Das, C.K.
Studies on oxo-complexes of quinquevalent enium. I.I.T., Kharagpur, 1975-79.

Dr. M.C. Chakraborty, Asstt. Prof., Department of Chemistry, Indian Institute of Technology, Kharagpur.

628. Das, Satyanarayan.
Macromolecular transition metal complexes : Synthesis and physico-chemical studies. Jadavpur, 1972-78.

Dr. S.P. Bag, Reader, Department of Inorganic *Chemistry, Jadavpur University, Calcutta.*

Dr. A.B. Chatterjee, Reader, Department of Inorganic Chemistry, Jadavpur University, Calcutta.

629. De, Asim Kumar.
Studies on different oxidation states of cobalt complexes and their catalytic properties. Calcutta, 1979.

630. Deshmukh, Balasaheb Kisanrao.
Solvent extraction studies of some transition metal complexes. Nagpur, 1974-78.

Dr. R.B. Kharat, Reader, Department of Chemistry, Nagpur University, Nagpur.

631. Dutta, Pradyot Kumar.
Hetero-complexes of bipositive cations with hydroxynaphtholic acids as secondary ligands. Allahabad, 1972-78.

Prof. A.K. Dey, Department of Chemistry, University of Allahabad, Allahabad.

632. Ghosh, Mridula.
Magnetic, NQR and dielectric studies on charge—transfer complexes. Calcutta, 1979.

633. Goswami, Kalyani.
Carbonyl complexes of rhodium. Dibrugarh, 1972-79.

Dr. M.M. Singh, Reader, Department of Chemistry, Dibrugarh University, Dibrugarh.

634. Gupta, Arunkumar.
Synthesis and structural studies of bimetallic dithiodeselenocyanate and their complexes. Avadh, 1979.

Dr. P.P. Singh, Head, Department of Chemistry, M.L.K. Degree College, Balrampur, Gonda.

635. Gupta, Manohar Lal.
Physico-chemical studies of some metal complexes of Schiff's bases. Jiwaji, 1973-78.

Dr. K.K. Pandey, Head, Department of Chemistry, Govt. Science College, Gwalior.

636. Gurmeet Singh.
Studies on acyl hydrazine complexes of some first row transition metals. Lucknow, 1974-79.

Dr. C.S. Pandey, Reader, Department of Chemistry, University of Lucknow, Lucknow.

637. Iyer, V.J.
Physico-chemical studies on double arsenates of uranyl ions with divalent cations. Bombay, 1970-79.

Dr. M.A. Nabar, Department of Chemical Technology, University of Bombay, Bombay.

638. Jadhav, Pratap Dhondopant.
Studies on some metal complexes. Marathwada, 1978.

Dr. R.A. Bhobe, Reader, Department of Chemistry, Marathwada University, Aurangabad.

639. Karajagi, Gururaj Vasantrao.
Structural investigations of some metal complexes. Karnatak, 1979.

Prof. N.S. Biradar, Department of Chemistry, Karnatak University, Dharwad.

640. Kaul, Bharat Bhushan.
Studies on some transition metal dithiocarbamates and dithiocarbazates. Delhi, 1979.

Dr. S.R. Gupta, Reader, Department of Chemistry, University of Delhi, Delhi.

641. Lal, Ram Ashry.
Zinc (II), nickel (II) and cobalt (II) complexes of some Schiff's bases derived from organic acid hydrazides. Banaras, 1974-79.

Dr. K.K. Narang, Lecturer, Department of Chemistry, Banaras Hindu University, Varanasi.

642. Madhok, Kashmiri Lal.
Studies on the molybdenum complexes with organic ligands and the catalytic activity of molybdenum oxide, molybdates in the oxidation of toluene. B.I.T.S., Pilani 1975-79.

Dr. K.P. Srivastava, Assoc. Prof., Department of Chemistry, Birla Institute of Technology and Science, Pilani.

643. Mahapatra, Bipin Bihari.
Studies on metal complexes containing different non-bonding shells : Co (II), Ni (II), Zn (II) and Hg (II). Sambalpur, 1973-78.

Dr. S. Guru, Reader, Department of Chemistry, Revenshaw College, Cuttack.

644. Maiti, Ranjan Kumar.
Complexes of oxo-cations. Kalyani, 1974-79.

Dr. K. Dey, Lecturer, Department of Chemistry, University of Kalyani, Kalyani.

645. Malik, Gajai Singh.
Studies on the mixed ligand complexes involving ligands of biological importance. Meerut, 1975-78.

Prof. J.P. Tandon, Department of Chemistry, University of Rajasthan, Jaipur.

646. Mandal, Santosh Kumar.
Studies on metal complexes of some hetero donor ligands. Calcutta, 1979.

647. Mathur, Keshav Chandra.
Physico-chemical studies of some pyrazolone complexes with heavy metal ions. Meerut, 1975-79.

Dr. R.C. Saxena, Department of Chemistry, M M. College, Modinagar.

648. Maurya, Pyare Lal.
Characterisation of some solid metal complexes with nitrogen and oxygen donors. Allahabad, 1974-79.

Dr. B.V. Agarwala, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

649. Mittal, Sri Gopal.
Stereochemical features vis-a-vis spectral and magnetic data of some metal complexes of nitrogen and oxygen donor ligands. Meerut, 1975-79.

Dr. Madan Mohan, Department of Chemistry, N R.E.C. College, Khurja.

650. Mohapatra, Choudhury Krushna Chandra.
Complexes of d^9 d^{10} metals with nitrogen donor ligands. Utkal, 1979.

Dr. K.C. Dash, Reader, Department of Chemistry, Utkal University, Vani Vihar, Bhubaneswar.

651. Mohapatra, Suresh Kumar.
Substitution reaction of octahedral cobalt (III) complexes. Utkal, 1979.

Dr. A C. Dash, Lecturer, Department of Chemistry, Utkal University, Vani Vihar, Bhubaneswar.

652. Mohiuddin, Rafeeq.
Preparation and characterization of ruthenium complexes and their role in the nomogenous hydrogenation. Osmania, 1979.

Prof. M.M. Taqui Khan, Head, Department of Chemistry, Nizam College, Hyderabad.

653. Nageswara Rao, Anipindi.
Studies on substitution reactions of some chromium (III) complexes. Andhra, 1978.

Dr. G.S. Murty, Lecturer, Department of Chemistry, Andhra University, Waltair.

654. Naik, S.S.
Solution stability constants of complexes of some bivalent metal ions with Schiff's bases of 3-hydroxy-P-cyano-2-carboxaldehyde. Bombay, 1972-79.

Dr. M.B. Kabadi, Department of Chemistry, Ramnarain Ruia College, Matunga, Bombay.

655. Nanhai Singh.
Synthesis and structural studies of trimetallic hexathiocyanates and selenocyanates and their complexes. Avadh, 1979.

Dr. P.P. Singh, Head, Department of Chemistry, M L.K. Degree College, Balrampur, Gonda.

656. Neelam, Nikhat Sultana.
Metal complexes of nitrogen containing ligands. Aligarh, 1973-78.

Prof A.A. Zaidi, Department of Chemistry, Aligarh Muslim University, Aligarh.

657. Om Prakash.
Electro-chemical behaviour of metal complexes at dropping mercury electrode. Rajasthan, 1975-78.

Dr. D.S. Jain, Lecturer, Department of Chemistry, University of Rajasthan, Jaipur.

658. Patel, Rambhai Bhudardas.
Study of metal complexes of Schiff's bases. South Gujarat, 1976-78.

Prof. L.D. Dave, Department of Chemistry, Saurashtra University, Rajkot.

659. Patil, M.D.
Complexes of tetravalent metal ions. Karnatak, 1978.

Prof. N.S. Biradar, Department of Chemistry, Dharwad.

660. Pavithran, C.
Studies on the metal complexes of some pyrazole and imidazole derivatives. Kerala, 1973-78.

Prof. P.T. Joseph, Pullukal House, Vazhuthacaud, Trivandrum.

661. Prasad, Shree Ram.
Cryomagnetic and special studies of transition metal complexes. I.I.T., Kharagpur. 1974-79.

Prof. D. Sen, Department of Chemistry, Indian Institute of Technology, Kharagpur.

662. Rai, Harish Chandra.
Studies on transition metal complexes. I.I.T., Kharagpur, 1973-79.

Dr. B. Sahoo, Asstt. Prof., Department of Chemistry, Indian Institute of Technology, Kharagpur.

663. Rajasekaran, M.V.
Molecular and electronic structure of planer trio-zinc-l oxide complexes. I.I.T., Madras, 1979.

Prof. P.T. Manoharan, Department of Chemistry, Indian Institute of Technology, Madras.

664. Rama Kant.
Complexes of cobalt (II), nickel (II) and copper (II) carboxylates with oxygen donors. Jammu, 1975-79.

Dr. Narsingh Kumar, Reader. Department of Chemistry, University of Jammu, Jammu.

Dr. P.L. Kachroo, Reader, Department of Chemistry, University of Jammu, Jammu.

665. Ramesh, B.R.
Studies on some substituted carbonyl and related complexes of rhodium and irridium. Bangalore, 1978.

Prof. G.K. Narayana Reddy, Head, Department of Chemistry. Bangalore University, Bangalore.

666. Ram Nayan.
Metal ligand equilibria in solution : Complexes of inner transition metals with some polydentate ligands. *D.Sc.* Allahabad, 1971-79.

Prof. A.K. Dey, Department of Chemistry, University of Allahabad, Allahabad.

*667. Ravinder Kumar.
Studies of morpholine-N-dithiocarbamate metal complexes. Rohilkhand, 1975-78.

Dr. Nepal Singh, Lecturer, Department of Chemistry, Hindu College. Moradabad.

668. Rengaraj, K.
Stabilities of copper and uranyl ion complexes of amino acids. Madras, 1972-78.

Prof. V.V. Ramanujam, Head, Department of Inorganic Chemistry, University of Madras, Madras.

669. Roddabaronagovdra, V.L.
Studies in the field of metal complexes. Karnatak, 1979.

Prof. N S. Biradar, Department of Chemistry, Karnatak University, Dharwad.

670. Rukhaiya, Madan Mohan Prasad.
Studies on complexes of sulphur and nitrogen ligands. Patna, 1978.

Dr. B. Singh, Department of Chemistry, Science College, Patna.

671. Sankale, Lalit Udhaorao.
Studies on rare earth complexes. Nagpur, 1975-78.

Prof. V. Ramchandra Rao, Head, Department of Chemistry, V.R. College of Engineering, Nagpur.

672. Saxena, Chandra Prakash.
Studies on some mixed ligand complexes. Vikram, 1975-79.

Dr. P.V. Khan

673. Sharifullah, A.T.M.
Szilard-Chalmers reaction of metal complexes. Poona, 1975-78.

Dr. A.J. Mukhedkar, Reader, Department of Chemistry, University of Poona, Pune.

674. Sharma, Jawahar Lal.
Study of binary and ternary complexes of tropolones. Delhi, 1975-79.
Prof R.P. Singh, Head, Department of Chemistry, University of Delhi, Delhi.

675. Singh, Ashok Kumar.
Studies on some metal complexes of sulphur and nitrogen containing ligands. Roorkee, 1975-79.

Dr. C.L. Sharma, Lecturer, Department of Chemistry, University of Roorkee, Roorkee.

676. Sinha, Binoy Kumar.
Triazoles as metal complexing ligands. Magadh, 1975-78.

Dr. J.P. Srivastava, Reader, Department of Chemistry, Magadh University, Bodh-Gaya.

677. Subba Rao, Mannan.
Studies on mixed ligand complexes and their analytical applications. Vikram, 1976-78.

678. Subba Rao, N.S. Venkata.
Synthesis and characterisation of metal complexes with ligands having high nitrogen content and their explosive evaluation. Osmania, 1978.

Dr. M.C. Ganorkhar, Reader, Department of Chemistry, Osmania University, Hyderabad.

679. Suri, Ashwani Kumar.
Complexes of copper (II) carboxylates with morpholine and some other heterocyclic nitrogen donors. Jammu, 1974-78.

Dr. Narsingh Kumar, Reader, Department of Chemistry, University of Jammu, Jammu.

680. Syed Fazal Mehdi Ali.
Rare earth complexes of oxygen donor ligands. Osmania, 1978.

Dr. (Mrs.) Badar Taqui Khan, Reader, Department of Chemistry, University College for Women, Hyderabad.

681. Thakur, Gulab Singh Jagannath Singh.
Studies on the complexes of some less common elements. Nagpur, 1972-79.

Dr. S.P. Sangal, Reader, Department of Chemistry, Laxminarayan Institute of Technology, Nagpur.

682. Tucker, Indu Bala.
Studies on some transition metal complexes of substituted thioureas and triazene-1-oxide ligands. Delhi, 1974-79.

Dr. P.S. Zacharias, Lecturer, Department of Chemistry, University of Delhi, Delhi.

Prof. R.P. Singh, Head, Department of Chemistry, University of Delhi, Delhi.

683. Unny, V.K.P.
Physico-chemical studies on some metal complexes of certain aromatic oximes. Bombay, 1974-79.

Dr. D.G. Vartak, Bhabha Atomic Research Centre, Trombay, Bombay.

684. Yadava, Shiv Partap.
Synthesis and structural studies of simple mixed ligand complexes of binuclear mixed metal tetrathiocyanates and selenocyanates. Avadh, 1979.

Rare-Earth Elements

685. Bagawade, S.V.
Chemistry of actinide elements : Complex formation and solvent extraction studies. Bombay, 1974-78.

Dr. M.V. Ramaniah, Bhabha Atomic Research Centre, Trombay, Bombay.

686. Shreedhara Murthy, R.S.
Separation and determination of trace amounts of thorium and uranium. I.I.T., Madras, 1979.

Dr. T.V. Ramakrishnan, Asstt. Prof., Department of Chemistry, Indian Institute of Technology, Madras.

687. Vasudeva Rao, P.R.
Chemistry of actinide elements : Studies on complex formation by solvent extraction and spectrophotometry. Bombay, 1975-79.

Dr. M.V. Ramaniah, Bhabha Atomic Research Centre, Trombay, Bombay.

Titanium Group

688. Jain, Vinod Kumar.
Preparation and characterisation of some mono and bis cyclopentadienyl and methylcyclopentadienyl titanium (IV) and zirconium (IV) compounds. Delhi, 1975-79.

Dr. B.S. Garg, Lecturer, Department of Chemistry, University of Delhi, Delhi.

Vanadium Group

689. Prasad, K.V.S.L.V.
Studies on the extraction of vanadium (IV) in the presence of carboxylic acids and neutral donors. Nagarjuna, 1975-78.

Prof. V. Panduranga Rao, Head, Department of Chemistry, Nagarjuna University, Nagarjunanagar.

Chromium Group

690. Bose Babu, Thalasila.
Some studies on the species and analytical applications of molybdenum (III) in aqueous medium. Andhra, 1979.

Prof. S.R. Sagi, Department of Chemistry, Andhra University, Waltair.

691. Goyal, K.C.
Studies on cyclopentadienyl, indenyl and cycloheptatrienyl molybdenum (VI)-oxo compounds and their derivatives. Delhi, 1974-79.

Dr. B.D. Khosla, Reader, Department of Chemistry, University of Delhi, Delhi.

Transition Metals

692. Bhattacharyya, Kalyan.
Studies on the effects of dicyandiamide and related inhibitors on the acid corrosion of nickel. Delhi, 1975-79.

Dr. A.N. Maitra, Lecturer, Department of Chemistry, University of Delhi, Delhi.

693. Bora, Tankeswar.
A study of some sulphide and sulphoxide compounds of ruthenium. Dibrugarh, 1974-78.

Dr. M.M. Singh, Reader, Department of Chemistry, Dibrugarh University, Dibrugarh.

694. Mathur, Anil Kumar.
Nickel toxicity and chelation therapy. Lucknow, 1976-79.

Prof. S.S. Tewari, Department of Chemistry, University of Lucknow, Lucknow.

695. Subrahmanya Sarma, M.V.V.S.S.
Chemistry of transition elements: Studies in electrochemical reduction of vanadate. Venkateswara, 1971-79.

Prof. V.R. Krishnan, Head, Department of Chemistry, S.V.U. College of Arts and Sciences, Tirupati.

Copper Group

696. Baral, S.
Binuclear and trinuclear copper (II). I.I.T., Kanpur, 1973-79.

Prof. A. Chakravorty, Department of Chemistry, Indian Institute of Technology, Kanpur.

Zinc Group

697. Satyanarayana, D.
Some new applications of the mercury reductor. Andhra, 1978.

Dr. L.S.A. Dikshitulu, Reader, Department of Chemistry, Andhra University, Waltair.

698. Vijayakumar, M.
Determination of trace amounts of mercury, selenium and tellurium. I.I.T., Madras, 1979.

Dr. T.V. Ramakrishna, Asstt. Prof., Department of Chemistry, Indian Institute of Technology, Madras.

Boron Group

699. Bhardwaj, Pashupati Nath.
Organic derivatives of boron and related compounds. Rajasthan, 1974-78.

Dr. Ghanshyam Srivastava, Reader, Department of Chemistry, University of Rajasthan, Jaipur.

700. Modi, Rameshchandra Mohanlal.
Studies in corrosion of aluminium in alkaline media. Gujarat, 1973-79.

Dr. J.D. Talati, Principal, U.P. Arts and Smt. M.G. Panchal Science College, Pilvai.

701. Prasada Rao, Muvvala Sanni.
Some studies on the oxalates and analytical chemistry of thallium. Andhra, 1979.

Prof. S.R. Sagi, Department of Chemistry, Andhra University, Waltair.

702. Suryaprakasa Raju, Gadiraju.
Some studies on dicarboxylato complexes and analytical chemistry of thallium. Andhra, 1979.

Prof. S.R. Sagi, Department of Chemistry, Andhra University, Waltair.

703. Tripathi, Shiv Ram Mani.
Studies on Schiff's base derivatives of boron. Rajasthan, 1975-78.

Prof. J.P. Tandon, Department of Chemistry, University of Rajasthan, Jaipur.

Nitrogen Group

704. Rajendra Singh.
Chemistry of nitrogen and sulphur compounds and related systems. Banaras, 1973-79.

Dr. V.K. Verma, Department of Chemistry, Banaras Hindu University, Varanasi.

705. Rakhshinda.
Synthesis of some nitrogenous compounds. Aligarh, 1974-78.

Dr. N.H. Khan, Lecturer, Department of Chemistry, Aligarh Muslim University, Aligarh.

706. Viswanadha Sarma, Gorti.
New developments in the analytical chemistry of antimony III. Andhra, 1979.

Prof. G. Gopala Rao, Department of Chemistry, Andhra University, Waltair.

ORGANIC CHEMISTRY

General Grouping of Compounds

Oxy and Hydroxy Compounds

707. Bajpeyi, Vishnu Swaroop.
Studies on ortho-hydroxy ketoanils and their analytical use. Kanpur, 1978.

708. Choudhary, Tilakram.
Synthesis and analytical application of hydroxamic acid derivatives. Ravishankar, 1978.

Prof. S.G. Tandon, Department of Chemistry, Ravishankar University, Raipur.

709. Dhareswar, G.P.
Studies in hydroxamic acids and substituted 3, 3-cyclohexanediones. Bombay, 1974-78.

Dr. B.D. Hesangadi, Reader, Department of Chemistry, University of Bombay, Bombay.

710. Krishnan, P.
Structural and solvent effects on hydrolysis of esters. Madras, 1975-79.

Dr. S. Sundaram, Asstt. Prof., Department of Chemistry, Vivekananda College, Madras.

711. Patil, K.B.
Chemistry of fatty acids. Karnatak, 1978.

Prof. R.C. Badami, Department of Chemistry, Karnatak University, Dharwad.

712. Ramachandran, Jayalakshmi.
Synthetic investigation on dithioesters and related compounds. I.I.T., Madras, 1979.

Prof. C.N. Pillai, Department of Chemistry, Indian Institute of Technology, Madras.

713. Thomas, Thresia.
Physico-chemical studies on deoxyoligoguanylic acids and their complexes with polyribocytidylic acid. I.I.Sc., Bangalore. 1975-79.

Prof. U.S. Nandi, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore.

Prof. S.K. Podder, Department of Biochemistry, Indian Institute of Science, Bangalore.

714. Tripathi, V.K.
Additions to acetylenic ketones. Kanpur, 1979.

Dr. P.S. Venkataramani, Senior Scientific Officer, Defence Research Laboratory (Materials), Kanpur.

715. Verma, Kamna.
Studies on 3-hydroxyretinol. Gauhati, 1975-78.

Dr. A.B. Barua. Reader, Department of Chemistry, Gauhati University, Gauhati.

Nitrogen Compounds

716. Anand, Badri Nath.
Dimethylformamidyls : Preparation and characterization. Panjab, 1975-79.

Prof. R.C. Paul, Vice-Chancellor, Panjab University, Chandigarh.

Dr. Ramesh Kapoor, Lecturer, Department of Chemistry, Panjab University, Chandigarh.

717. Ashok Kumar.
Preparation and characterisation of p-aminoarylete-llurium trihalides and their salts. I.I.T., Delhi, 1974-78.

Dr. B.L. Khandelwal, Asstt. Prof., Department of Chemistry, Indian Institute of Technology, New Delhi.

718. Rastogi, Renu.
Studies on reactions of cyano group. Lucknow, 1974-79.

Dr. J.S. Shukla, Lecturer, Department of Chemistry, University of Lucknow, Lucknow.

Organometallic Compounds

719. Chadha, Raj Kumar.
Preparative and structural aspects of some organo tellurium compounds. Panjab, 1974-79.

Prof. R.C. Paul, Vice-Chancellor, Panjab University, Chandigarh.

Prof. Gurdev Singh, Department of Chemistry, Panjab University, Chandigarh.

720. Gupta, Kasturi Lal.
Synthesis and physico-chemical studies on some organotin compounds. Panjab, 1975-78.

Prof. K.L. Jaura, Department of Chemistry, Panjab University, Chandigarh.

721. Kakkar, Kishore Kumar.
Studies on the chemistry of some tri- and tetravalent metallic and organometallic cations : Thallium (III) and bis (—cyclopentadienyl) titanium (IV). Lucknow, 1973-78.

Dr. D.C. Rupainwar, Lecturer, Department of Chemistry, University of Lucknow, Lucknow.

722. Singh, Hari Bhan.
Studies on organic derivatives of boron containing boron nitrogen bond. Rajasthan, 1975-78.

Prof. J.P. Tandon, Department of Chemistry, University of Rajasthan, Jaipur.

723. Singhal, Anand Prakash.
Chemistry of organotin chlorides with group fifth donor ligands. Rajasthan, 1974-78.

Dr. R.K. Bansal, Lecturer, Department of Chemistry, University of Rajasthan, Jaipur.

724. Tyagi, Suresh Chand.
Studies on the composition and kinetics of the complex formation by the interaction of chromium (III) with organic acids. Aligarh, 1975-78.

Dr. A. Azeez Khan, Reader, Department of Chemistry, Aligarh Muslim University, Aligarh.

Sulphur Compounds

725. Goghari, M.M.
Studies on sulphones and sulphonamides. Saurashtra, 1974-78.

Dr. A.R. Parikh, Reader, Department of Chemistry, Saurashtra University, Rajkot.

Physical & Theoretical Chemistry

Molecular Structure

726. Agarwal, Bharati.
Coordination complexes of organic ligands with oxygen and nitrogen donors. Allahabad, 1973-79.

Prof. A.K. Dey, Department of Chemistry, University of Allahabad, Allahabad.

727. Gupta, Awadhesh Kumar.
Structural studies of organic compounds. Allahabad, 1975-79.

Dr. J.S. Chauhan, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

728. Jyothi Bhasu, V.C.
Electronic structure and spectroscopic properties of some thiocarbonyl compounds : A molecular orbital study. I.I.Sc., Bangalore, 1973-79.

Prof. C.C. Patel, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore.

Dr. D.N. Satyanarayana, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore.

729. Prithvi Singh.
Electronic structure and activity of some organic, bio-organic and medicinal compounds. B.I.T.S., Pilani, 1974-79.

Dr. S.P. Gupta, Department of Chemistry, Birla Institute of Technology and Science, Pilani.

Quantum Chemistry

730. Bhattacharyya, Sankarprasad.
Approximate quantum mechanical calculation in organic molecules. Calcutta, 1979.

Solutions

731. Parekh, H.M.
Studies on basic distribution in polymer aqueous solution systems. Bombay, 1972-79.

Prof. S.R.S. Iyer, Department of Chemical Technology, University of Bombay, Bombay.

Photochemistry

732. Sudagar Mal.
Study of photochromic compounds : Photochromism in anils. I.I.T., Delhi, 1974-79.

Dr. J.L. Narula, Asstt. Prof., Department of Chemistry, Indian Institute of Technology, New Delhi.

733. Thakur, Ramanand.
Spectrophotometric studies on the complexometric behaviour of some patholazones. Patna, 1979.

Dr. R.C. Jha, Department of Chemistry, Science College, Patna.

Electrochemistry

734. Bhatt, Aruna.
Ion exchange studies of some carboxylic acids of natural occurrence in aqueous and ethanolic systems. Jiwaji, 1976-79.

Dr. Ram Gopal Trivedi, Lecturer, Department of Chemistry, Jiwaji University, Gwalior.

735. Khardelwal, Ganesh Lal.
Electrochemical behaviour of some biologically important compounds and their complexation with metals. Rajasthan, 1976-78.

Dr. R.S. Saxena, M.R. Engineering College, Jaipur.

736. Patel, Premananda.
Some physico-chemical aspects of cation exchange (calcium-copper) in hydroxylapatite. Sambalpur, 1976-78.

Dr. S.V.C. Rao, Chemist, Hindustan Zinc Ltd., Vishakhapatnam.

Radiochemistry

737. Saha, Nareschandra.
Studies on some aspects of the radiolysis of iminodiacetic acid and its metal complexes in aqueous solutions. Calcutta, 1979.

Reaction Kinetics & Mechanisms

738. Anand, Baldev Kumar.
Studies in the kinetics of degradation of some antibiotics. Jiwaji, 1976-79.

Dr. M.D. Patwardhan, Department of Chemistry, Government College, Shivpuri.

739. Chaudhuri, Arindam.
Abnormal displacement reactions in organic media and endgroup analysis of polymers. Calcutta, 1978.

740. Durga Prasada Rao, M.
Mechanistic studies on some organic reactions. Berhampur, 1974-78.

Prof. P.S. Radhakrishna Murty, Department of Chemistry, Berhampur University, Berhampur.

741. Girija Prasad.
Reactions of ketohydrazones and anils with sodium in ether and their synthetic applications. Banaras, 1975-79.

Dr. K.N. Mehrotra, Reader, Department of Chemistry, Banaras Hindu University, Varanasi.

742. Goyal, Mahesh Kumar.
Kinetic study of the reactions of some linkages (C-X-P) in phosphate esters. Jiwaji, 1975-79.

Dr. M.M. Mhala, Rambagh Colony, Jhansi Road, Gwalior.

743. Gurumurthy, R.
Applicability of Hammeth equation to some reactions involving phenoxyacetic acids, phenyl mercaptoacetic acids and phenyl sulphonyl acetic acids. Annamalai, 1963-79.

Ex.-Prof. V. Baliah.

744. Mane, Pratibha A.
A kinetic study and mechanism of the reactions of compounds of biochemical significance. Jiwaji, 1979.

Dr. M.M. Mhala, Rambagh Colony, Jhansi Road. Gwalior.

745. Manik, Sunita.
Kinetics and mechanism of some organic rea.snotic Bhopal, 1979.

Dr. M.M. Mhala, Rambagh Colony, Jhansi Road, Gwalior.

746. Padhi, Sarat Chandra.
Mechanism and structure of some organic reactions. Berhampur, 1973-79.

Prof. P.S. Radhakrishna Murty, Department of Chemistry, Berhampur University, Berhampur.

747. Ravinder Kumar.
Studies in the reactions of diamines with functionalised isothiocyanates. Guru Nanak, 1975-78.

Prof. Harjit Singh, Department of Chemistry, Guru Nanak Dev University, Amritsar.

748. Sahu, Sarjya Narayan.
Studies in some organic reactions. Berhampur, 1974-79.

Prof. P.S. Radhakrishna Murty, Department of Chemistry, Berhampur University, Berhampur.

749. Singh, Rudal.
Kinetics and mechanism of reactions of some organic compounds in solution. Allahabad, 1975-78.
Dr. M.P. Singh, Reader, Department of Chemistry, University of Allahabad, Allahabad.

750. Sivarami Reddi, B.
Kinetic studies on the substituted phenols—formaldehyde reaction. Madras, 1974-78.

Dr. S. Rajadurai. Asstt. Director, Central Leather Research Institute, Adyar, Madras.

751. Venkatasubramanian, N.
Mechanistic studies of reactions of alcohols on pure and sodium doped alumina catalysts. I.I.T., Madras, 1979.

Prof. C.N. Pillai, Department of Chemistry, Indian Institute of Technology, Madras.

—*Specific Reactions*

752. Ameta, Ramesh Chandra.
Kinetics and mechanism of oxidation of some alcohols (benhydrols) by bromine. Udaipur, 1971-78.

Dr. K.S Suresh, Assoc. Prof., Department of Chemistry, School of Basic Sciences and Humanities, University of Udaipur, Udaipur.

753. Amirtha, N.
Kinetics of the addition of iodine monochloride to olefins in solution. Madras, 1974-79.

Prof. R. Ganesan, Head, Department of Physical Chemistry, A C. College of Technology, Madras.

754. Chatterjee, Hiranmay.
Kinetics of oxidation of some organic compounds. Allahabad 1974-78.

Dr. Kunj Behari, Lecturer. Department of Chemistry, University of Allahabad, Allahabad.

755. Chauhan, Suman.
Kinetics and mechanism of reactions of some plasticizers : Hydrolysis of 2-butoxy ethyl ortho-phosphates. Jiwaji, 1977-79.

Dr. M.M. Mhala, Rambagh Colony, Jhansi Road, Gwalior.

756. Gupta, Jagdish Chandra.
Physico-chemical studies on interaction between some fire-re ardant chemicals and cellulose. Kurukshetra, 1976-79.

Prof. H.L. Bhatnagar, Head, Department of Chemistry, Kurukshetra University, Kurukshetra.

757. Hiran, Basanti Lal.
Kinetics and mechanism of oxidation of esters of hydroxy acids by peroxydisulphate. Udaipur, 1974-78.

Dr. S.N. Joshi, Asstt. Prof., Department of Chemistry, School of Basic Sciences and Humanities, University of Udaipur, Udaipur.

758. Kadam, Subhash Dnyanadeo.
Kinetics and mechanism of oxidation of imides by peroxydisulphate. Shivaji, 1975-78.

Prof. M.H. Jagadale, Head, Department of Chemistry, Shivaji University, Kolhapur.

*759. Pal. Mira.
Kinetics of substitution of aquo ligands from cis-diaquobis (ethylenediamine) cobalt (III) ion by bidentate ligands in water ethanol mixture. Burdwan, 1976-78.

Dr. Gouri Sankar De, Lecturer, Department of Chemistry, University of Burdwan, Burdwan.

760. Pawar, Vitthal Balwant.
Mechanism of hydrolysis of some carboxylic acid derivatives. Shivaji, 1972-78.

Prof. M.H. Jagadale, Head, Department of Chemistry, Shivaji University, Kolhapur.

*761. Raghunath Rao, P.
Kinetics of oxidation of benzaldehydes by potassium permanganate. Kakatiya, 1974-78.

Prof. E.V. Sundaram, Head, Department of Chemistry, Kakatiya University, Warangal.

762. Raina, Nalini.
Kinetics and mechanism of the oxidation of some amino acids by chloramine-T. Jiwaji, 1976-78.

Dr. K.J. Singh, Department of Chemistry, Motilal Vigyan Mahavidyalaya, Bhopal.

763. Rais Ahmad.
Studies on the kinetics and mechanism of the alkaline hydrolysis of amides. Aligarh, 1974-78.

Dr. A. Aziz Khan, Reader, Department of Chemistry, Aligarh Muslim University, Aligarh.

764. Rangadurai, A.
Mechanism of oxidation of alcohols and α-amino acids by 1-chlorobenzotriazole. Madras, 1974-79.

Dr. V. Thiagarajan, Reader, Department of Chemistry, Vivekananda College, Madras.

765. Samal, Rajanikanta.
Studies on high polymer systems : Kinetics of vinyl polymerisation initiated by heavy metal ion-organic substrate systems. Utkal, 1979.

Dr. P.L. Nayak, Department of Chemistry, Ravenshaw College, Cuttack.

766. Sharma, Shiv Prasad.
Kinetics of oxidation of carbonyl compounds (some ketones) by manganese (III) sulphate. Jiwaji, 1979.

Dr. S.B. Saxena, Head, Department of Chemistry, Madhav Institute of Technology and Science, Gwalior.

767. Sharma, Suresh Chandra.
Kinetics and mechanism of oxidation of some aldehydes by t-BuOCl. Meerut, 1976-78.

Dr. V.P. Kudesia, Department of Chemistry, D.N. College, Meerut.

768. Shyal, R.K.
Mechanism of the effect of substitutes and configuration on the oxidation of organic compounds. Kanpur, 1979.

Dr. M.P. Singh, Reader, Department of Chemistry, University of Allahabad, Allahabad.

769. Sindhvani, Kashmiri Lal.
Studies on the kinetics and mechanism of oxidation reactions of lignin and pulp from Eucalyptus. Garhwal, 1976-79.

Dr. S.R.D. Guha, Forest Research Institute, Dehradun.

770. Singh, Amod Kumar.
Studies in kinetics and mechanism of oxidation of some organic compounds by one electron abstracting reagent in presence of catalyst. Allahabad, 1973-78.

Dr. M.P. Singh, Reader, Department of Chemistry, University of Allahabad, Allahabad.

771. Singh, Birendra Bahadur.
Kinetics of oxidation of some organic compounds in solutions. Allahabad, 1977-79.

Dr. Bharat Singh, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

772. Singh, Vijai Pratap.
Mechanistic study of platinum metal ions catalysed oxidation of organic compounds in solution. *D.Sc.* Allahadad, 1977-79.

Dr. Hari Shanker Singh, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

773. Sirohi, Satendra Jit Singh.
Kinetics and mechanism of oxidation of phenols by CC (IV). Meerut, 1975-79.

Dr. J.P. Singh, Department of Chemistry, M.M. College, Modinagar.

774. Sivakamasundari, A.S.
Kinetic studies on the bromination of some aromatic compounds using N-bromosuccinimide. Madras, 1973-78.

Prof. R. Ganesan, Head, Department of Physical Chemistry, University of Madras, Madras.

775. *Sunil Kant.*
Mechanism of oxidation of alcohols by chlorine. Meerut, 1976-79.

Dr. V.P. Kudesia, Department of Chemistry, D.N. College, Meerut.

776. Suryanarayanamurty, K.
Kinetics of some capric acid oxidations. Andhra, 1979.

Dr. P.V. Subba Rao, Lecturer, Department of Chemistry, Andhra University, Waltair.

777. Thanu Pillai, C. Chidambara.
Mechanistic studies in the oxidation of methylethyl ketone and methylisobutyl ketone by vanadium (V) in dilute mineral acids. I.I.T., Madras, 1979.

Prof. J.C. Kuriacose, Department of Chemistry, Indian Institute of Technology, Madras.

778. Varshney, Rajender Prasad.
A comparative kinetic study of oxidation of unsaturated aliphatic alcohols. Jiwaji, 1975-79.

Dr. Dayal Singh, Head, Department of Chemistry, Government College, Snivpuri.

779. Venugopalan Mair, S.
Kinetics of solvolysis of 1-phenylneopentyl methanesulphonate and its parasubstituted derivatives. Kerala, 1975-79.

Dr. M. Rajasekharan Nair, Lecturer, Department of Chemistry, University of Kerala, Trivandrum.

*780. Vijaya Lakshmi.
Kinetics of oxidation of organic compounds by acid bromate. Kakatiya, 1975-79.

Prof. E.V. Sundaram, Head, Department of Chemistry, Kakatiya University, Warangal.

—Catalysis

781. Dutta, Manik Chandra.
Studies on homogeneous catalysis : Reduction of nitrobenzene by di-hydrogen. I.I.T., Kharagpur, 1973-79.

Prof. D. Sen, Department of Chemistry, Indian Institute of Technology, Kharagpur.

Dr. C.R. Saha, Lecturer, Department of Chemistry, Indian Institute of Technology, Kharagpur.

782. Verma, Shyam Kumar.
Studies in some catalytic reactions of adsorbent carbons. Panjab, 1976-79.

Dr. B.R. Puri, Lecturer, Department of Chemistry, Panjab University, Chandigarh.

Dr. D.D. Singh, Reader, Department of Chemistry, Panjab University, Chandigarh.

Synthesis & Named Reactions

783. Agarwal, Ashok Kumar.
Synthesis with higher diazoalkanes. Agra, 1978.

Dr. S.K. Wadhva, Department of Chemistry, Agra College, Agra.

784. Agarwal, Triloki Nath.
Synthesis of some diketones and kinetic study of their oxidation with lead tetra acetate. Meerut, 1978.

785. Anantharamaiah, G.M.
Synthesis of peptides of biological interest. Bangalore, 1970-78.

*Prof. K.M. Shivanandaiah, Department of Che*mistry, Bangalore University, Bangalore.

786. Ashwani Kumar.
Synthetic studies in isopentenyl and cinnamyl derivatives of 4-methylcoumarins, resacetophenone and isoflavones. Himachal Pradesh, 1979.

787. Bhaskara Rao, V.
Synthesis and heteroaromatization of some 2,3-dihydro-4 (IH)-quinazolinones and 5, 6-dihydrobenzimidazo (1,2-c)-quinazolines. Osmania, 1979.

Prof. C.V. Ratnam, Department of Chemistry, Osmania University, Hyderabad.

788. Dhaon, Madhup Krishna.
Studies in Diels-Alder reaction and synthesis of agents acting on CNS and CVS. Lucknow, 1975-78.

Dr. Nitya Nand, Central Drug Research Institute, Lucknow.

789. Halve, Anandkrishna.
Experimental approaches to the synthesis of chemotherapeutic agents, dyes and reagents. Awadhesh Pratap, 1979.

Dr. V S. Jolly, Head, Department of Chemistry, Maharaja College, Chhatarpur.

790. Kamat, P.L.
Studies in the synthesis of eudesmandids and their intermediates. I.I.T. Bombay, 1974-79.

Dr. A.M. Chaligram, Asstt. Prof., Department of Chemistry, Indian Institute of Technology, Bombay.

791. Khan, Arif Ali.
Synthesis and ion exchange properties of organic materials. Aligarh, 1976-78.

Dr. K.G. Varshney, Lecturer, Department of Chemistry, Zakir Husain Engineering College, Aligarh Muslim University, Aligarh.

792. Khan, Iftikhar Ahmad.
Molar reaction of organic compounds. Aligarh, 1974-78.

Dr. Mohsin Qureshi, Reader, Department of Chemistry, Aligarh Muslim University, Aligarh.

793. Kogekar, Ramesh Gopal.
In vitro studies on the biosynthesis of penicilin : The mechanism of joining the side-chain acids to 6-amino-penicillanic acid. Poona, 1972-78.

Dr. V.N. Deshpande, Research Laboratory, Hindustan Antibiotics Ltd., Pimpri, Pune.

794. Kushwaha, Daya Ram Singh.
Synthesis of polypeptides of biological interest. Banaras, 1976-79.

Dr. Nitya Nand, Central Drug Research Institute, Lucknow.

Prof. O.P. Malhotra, Department of Chemistry, Banaras Hindu University, Varanasi.

795. Manchanda, Ved Prakash.
Synthesis of some naturally occurring flavonoids. Delhi, 1972-79.

Dr. R.N. Khanna, Lecturer, Department of Chemistry, University of Delhi, Delhi.

796. Nanewar, Rajeshwar Rao.
Studies on synthesis and analytical applications of hydroxamic acids. Ravishankar, 1978.

797. Narula, Shuchita.
Studies in synthesis of some alphanaphthaphenanthridine alkaloids and related compounds. Panjab, 1976-79.

Prof. S.V. Kessar, Department of Chemistry, Panjab University, Chandigarh.

Dr. Y.P. Gupta, Lecturer, Department of Chemistry, Panjab University, Chandigarh.

798. Parvathy, S.
Synthetic Studies in β-norsteroids. I.I.Sc., Bangalore, 1974-79.

Prof. T.R. Kasturi, Head, Department of Organic Chemistry, Indian Institute of Science, Bangalore.

799. Patil, Vinayak Hariba.
Synthesis of sulphonamide derivatives. Marathwada, 1978.

Dr. R.A. Bhobe, Reader, Department of Chemistry, Marathwada University, Aurangabad.

800. Santra, M.
Studies on catalytic synthesis of terephthalic acid from p-dichlorobenzene at high pressure. I.I.T., Kharagpur, 1973-79.

Prof. S.K. Palit, Department of Chemistry, Indian Institute of Technology, Kharagpur.

801. Satyamurthy, N.
Synthesis and conformational analysis of some substituted 4-thianones and 4-thianols. Madras, 1974-79.

Prof. K. Ramalingam, Department of Chemistry, P.S.G. College of Arts and Science, Coimbatore.

802. Sharma, Bharat Lal.
Anodic and cathodic synthesis of organic compounds. Rajasthan, 1976-78.

Prof. R.C. Mehrotra, Head, Department of Chemistry, University of Rajasthan, Jaipur.

803. Singhal, Ram Gopal.
A study for the synthesis and characterisation of pure acyl derivatives of glycol ricinoleates and evaluation of their plasticization characteristics for PVC resins. Meerut, 1974-78.

Dr. B.S. Saxena, Department of Botany, M.M.H. College, Ghaziabad.

804. Soundararajan, N.
Studies on the synthesis and chemistry of theino (2.3-b) quinoline. Madras, 1974-79.

Prof. P. Shanmugam, Head, Department of Chemistry, P.S.G. College of Technology, Coimbatore.

805. Subramanian, C.S.
Synthesis of some prostanoid jasmonoids and synthons. Bombay, 1975-78.

Dr. M.S. Chadha, Head, Bio-organic Division, Bhabha Atomic Research Centre, Trombay, Bombay.

806. Suri, S.C.
Addition reactions of chlorosulfonyl isocyanate. I.I.T., Kanpur, 1973-79.

Dr. D.N. Dhar, Asstt. Prof., Department of Chemical Engineering, Indian Institute of Technology, Kanpur.

Alkylation

807. Sarkar, Malati.
Studies in the catalysed alkylation of aromatic hydrocarbons with alicyclic lactones. Calcutta, 1979.

Halogenation

808. Soni, Pravinchandra Amritlal.
Study of bromination and debromination in flavonoids, chalcones and aurones. Nagpur, 1969-78.

Dr. B.J. Ghiya, Department of Chemistry, Vidarbha Mahavidyalaya, Amravati.

Oxidation & Reduction

809. Bhagwat, A.M.
Enzymatic oxidation and reduction: Studies in dehydrogenase systems. Bombay, 1974-79.

Dr. V.V. Nadkarney, Department of Chemistry, St. Xavier's College, Bombay.

810. Chaudhuri, Satyanarayan.
Studies on the oxidation of hydrocarbons. Calcutta, 1979.

811. Kale, Arun V.
Oxidation studies of some nitrogenous organic compounds with selenium dioxide and lead tertraacetate. Vikram, 1975-78.

Dr. D.D. Berge, Department of Chemistry, Govt. Engineering College, Ujjain.

812. Kasturi Rangan, Hema.
Photoinduced catalytic reductions of aromatic amines on zinc oxide. I.I.T., Madras, 1979.

Dr. V. Ramakrishnan, Asstt. Prof., Department of Chemistry, Indian Institute of Technology, Madras.

Prof. J.C. Kuriocose, Department of Chemistry, Indian Institute of Technology, Madras.

813. Nanjundiah, B.S.
Oxidation of saturated alicyclic systems. Bombay, 1973-78.

Dr. Sukhdev, National Chemical Laboratory, Pune.

814. Nathu Ram.
Photo-oxidation of some amines. Punjabi, 1976-78.

Prof. K.S. Sidhu, Department of Chemistry, Punjabi University, Patiala.

815. Pichai, P.
Studies on oxidation of carbon monoxide on chromited spinels. I.I.T., Madras, 1979.

Dr. V. Srinivasan, Head, Department of Chemistry, Indian Institute of Technology, Madras.

816. Saigal, Ramesh.
Sensitized photooxygenation of chalcones by singlet oxygen and chemical components of Bombax malabaricum, Cocos nucifera and Cassia auriculata. Delhi, 1971-79.

Dr. S.S. Chibber, Reader, Centre of Advanced Study in Chemistry, University of Delhi, Delhi.

817. Basu, Swati.
Non-ideality in vinyl polymerisation. Delhi, 1974-79.

Dr. A.K. Banerjee, Lecturer, Department of Chemistry, University of Delhi, Delhi.

Dr. S.R. Chaterjee, Lecturer, Department of Chemistry, University of Delhi, Delhi.

818. Bhasilal, N.M.
Studies on addition polymerization. Jabalpur, 1975-79.

Dr. O.D. Mishra, Reader, Department of Chemistry, University of Jabalpur, Jabalpur.

819. Kabir, G.M.A.
Studies on vinyl polymerization. I.I.T., Kharagpur, 1975-79.

Dr. Mukul Biswas, Asstt. Prof., Department of Chemistry, Indian Institute of Technology, Kharagpur.

820. Khune, Gajendra Devidas.
Studies on the condensation of aldehydes and amines. Shivaji, 1974-78.

Dr. N.D. Ghatge, Head, Division of Polymer Chemistry, National Chemical Laboratory, Pune.

821. Maiti, Saurindranath.
Studies on vinyl polymerization using initiator systems containing long chain quaternary salts. Calcutta, 1979.

8 22. Mallick, Nigamananda.
Studies on vinyl polymerization (addition) and oxidation reactions. Utkal, 1978.

Dr. M.K. Rout, Principal, Ravenshaw College, Cuttack.

Fermentation

823. Mishra, Nishi.
Studies on lactic acid fermentation. Allahabad, 1977-79.

Dr. K.P. Tewari, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

824. Pandey, Ashok.
Studies on lactic acid fermentation. Allahabad, 1977-79.

Dr. K.P. Tewari, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

825. Singh, Surya Pal.
Studies on lactic acid fermentation. Allahabad, 1975-78.

Dr. K.P. Tiwari, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

Analytical Chemistry

826. Mahajani, Saroja.
Statistical aspects of analysis of organic functional groups. Saugar, 1979.

Prof. S.S. Nigam, Head, Department of Chemistry, University of Saugar, Sagar.

827. Singh, Rajendra Prasad.
Analytical study of some organic compounds used as drugs. Allahabad, 1975-79.

Dr. U.C. Pandey, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

Reagents

828. Jha, Abha.
Studies on some N-hydroxy, N-N diaryl benzamidines as analytical reagents. Ravishankar, 1978.

Dr. R.K. Vig, Department of Chemistry, Govt College of Science, Raipur.

829. Kamil, Fasihuddin.
Investigations on the analytical potentialities of phenanthrenequinonemonoxime (PQM) and phenanthrenequinonemonosemicarbazone (PQSC). Delhi, 1975-79.

Dr. S.K. Sindwani, Lecturer, Department of Chemistry, University of Delhi, Delhi.

830. Kesavan, Shanthi.
Analytical applications of 2-semicarbazone and 2-thiosemicarbazone of 1, 2-naphthoquinone-4-sulphonic acid (sodium salts). Delhi, 1975-79.

Prof. R.P. Singh, Head, Department of Chemistry, University of Delhi, Delhi.

831. Khanna, Rani Pal.
Use of hydroxylamine derivatives in the determination of some contaminants. Ravishankar, 1978.

Dr. V.K. Gupta, Lecturer, Department of Chemistry, Ravishankar University, Raipur.

832. Padmanabhan, P.K.
Analytical applications of Zeekarb-226. Bombay, 1973-78.

Dr. C.K. Venkataswar, Bhabha Atomic Research Centre, Trombay, Bombay.

833. Patel, Shankerbhai Morardas.
Organic reagents in analytical chemistry. Gujarat, 1975-78.

Dr. H.B. Naik, Department of Chemistry, Gujarat College, Ahmedabad.

834. Prasad, Kommuri Mohana Murali Krishna.
Some analytical aspects of aniline dyes. Andhra, 1979.

Prof. N.V. Rao, Department of Chemistry, Andhra University, Waltair.

835. Saxena, Virender Kumar.
Derivatives of N-aryl chlorides as analytical reagents. Ravishankar, 1978.

Dr. R.K. Mishra, Reader, Department of Chemistry, Ravishankar University, Raipur.

836. Vibhute, Surekha Ganapatrao.
Analytical application of thiosemicarbazones. Shivaji, 1975-78.

Dr. C.K. Bhaskare, Reader, Department of Chemistry, Shivaji University, Kolhapur.

837. Waghela, L.H.
Organic reagents in analytical chemistry. Bombay, 1976-79.

Shri M.N. Vakharia, Principal, Ramniranjan Jhunjunwala Arts and Science College, Ghatkopar, Bombay.

Qualitative Analysis

838. Bajpai, Usha.
Complexometric and chromatographic investigations in some keto-anils. Agra, 1978.

Dr. R.K. Upadhya, Department of Chemistry, D.S. College, Aligarh.

839. Chauhan, Rudra Pratap Singh.
Small scale analysis of a few organic compounds. Allahabad, 1979.

Dr. I.C. Shukla, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

840. Govindaswami, S.
Effect of alcohols on the separation of n-hexane-benzene mixtures : Vapour liquid equilibrium measurements and solvents. Annamalai, 1964-78

Prof. S.M. Lakshmanan, Faculty of Engineering and Technology, Annamalai University, Annamalainagar.

841. Misra, Jwala Prasad.
Small scale determination of functional groups and of individual organic compounds. Allahabad, 1977-79.

Prof. R.D. Tewari, Head, Department of Chemistry, University of Allahabad, Allahabad.

842. Radhakrishnan, K.N.
Small scale determination of organic compounds. Allahabad, 1977-79.

Prof. A.K. Dey, Department of Chemistry, University of Allahabad, Allahabad.

843. Ravi Prakash.
Milligram determination of few organic compounds. Allahabad, 1976-79.

Dr. I.C. Shukla, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

844. Usmani, Qamar Saeed.
Small scale analysis of few functional groups present in the organic compounds. Allahabad, 1975-79.

Dr. I.C. Shukla, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

Quantitative Analysis

845. Koshy, K. Valsamma John.
Polarographic behaviour of some nitrodiphenylamines in amphiprotic and dipolar aprotic media. I.I.T., Madras, 1979.

Dr. C. Kalidas, Asstt. Prof., Department of Chemistry, Indian Institute of Technology, Madras.

846. Sahasrabuddhay, Mukund Purushottam.
Volumetric determination of organic compounds by oxidimetry. Jabalpur, 1975-79.

Dr. S. Bose, Reader, Department of Chemistry, University of Jabalpur, Jabalpur.

847. Shashi Bala.
Polarography of chalkones, flavanones and a quinochalkones. Delhi, 1976-79.

Dr. N.R. Banerjee, Reader, Centre of Advanced Study in Chemistry, University of Delhi, Delhi.

848. Siddiqui, Amina.
Polarography of some potential drugs and biological stains. Delhi, 1976-79.

Dr. N.R. Banerjee, Reader, Centre of Advanced Study in Chemistry, University of Delhi, Delhi.

849. Sudhakara Babu, Y.
X-ray crystallographic investigations of cyclophosphozenes. I.I.Sc., Bangalore 1974-79.

Dr. H. Manohar, Asstt. Prof., Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore.

850. Thimme Gowda.
Oxidimetric studies with organic haloamines and lead tetraacetate and structural investigations of some metal complexes. Mysore, 1979.

Aliphatic Compounds

851. Dasgupta, Archana.
Theoretical studies on nonbenzenoid hydrocarbons. Calcutta, 1979.

Cyclic Compounds

852. Anandan, Lalitha.
Synthesis of spirocyclic compounds and related products. I.I.T., Bombay, 1973-79.

Prof. H.H. Mathur, Department of Chemistry, Indian Institute of Technology, Bombay.

853. Banerjee, Shanta.
Studies on some naturally occurring polycyclic compounds and their synthetic analogues. Banaras, 1975-79.

Dr. S. Ghosal, Department of Chemistry, Banaras Hindu University, Varanasi.

854. Bhattacharya, Sukla.
Studies in alicyclic compounds : Koch-Haaf carboxylations and bridge head reactivity. Visva-Bharati, 1975-79.

Dr. R.R. Rao, Reader, Department of Chemistry, Visva-Bharati, Santiniketan.

855. Gaitonde, V.D.
Studies in large ring compounds. Bombay, 1973-78.

Dr. B.D. Hesangadi, Reader, Department of Chemistry, University of Bombay, Bombay.

856. Ray, Tapan.
Chemistry of the polycyclic compounds of the Indian medicinal plant, Machilus glancescens Wight (Family : Lauraceae). Calcutta, 1979.

Heterocyclic Compounds

857. Arvind Kumar.
Synthetic studies of newer methods of heterocyclic compounds of biological interest. Agra, 1978.

Dr. Nitya Nand, Central Drug Research Institute, Lucknow.

858. Gupta, Rama.
Synthetic and electrometric studies on heterocyclic compounds. Roorkee, 1974-79.

Dr. R.N. Goel, Lecturer, Department of Chemistry, University of Roorkee, Roorkee.

859. Jamode, Vasant Shankar Rao.
Synthetic studies of nitrogen and oxygen heterocyclic compounds. Nagpur, 1969-78.

Dr. K.B. Doifode, Department of Chemistry, Vidarbha Mahavidyalaya, Amravati.

860. Krishnan, R.
Heterocyclic studies. Bombay, 1975-79.

Dr. S. Seshadri, Reader, Department of Chemical Technology, University of Bombay, Bombay.

861. Mahajan, S.B.
Synthetic studies in heterocyclic compounds. Karnatak, 1978.

Dr. Y.S. Agasimundin, Lecturer, Department of Chemistry, Karnatak University Postgraduate Centre, Gulbarga.

862. Maheshwari, Beena.
Electroanalytical studies of heterocyclic compounds. Rajasthan, 1976-78.

Dr. (Miss) K. Zutshi, Reader, Department of Chemistry, University of Rajasthan, Jaipur.

863. Mukhopadhyay, Kanchan Kumar.
Synthetic studies in heterocyclic systems. Calcutta, 1979.

864. Nayak, Amalendu.
Synthesis and application of heterocyclic compounds. Utkal, 1979.

Prof. A.S. Mitra, Principal, Khallikote College, Berhampur.

865. Panwar, Pramila.
Synthesis of new biologically active heterocyclic compounds containing fluorine. Rajasthan, 1975-78.

Prof. K.C. Joshi, Department of Chemistry, University of Rajasthan, Jaipur.

866. Patra, Maheswar.
Studies on heterocyclic compounds. Utkal, 1979.

Dr. B. Dash, Reader, Department of Chemistry, Utkal University, Vani Vihar, Bhubaneswar.

867. Pradhan, P.M.
Studies in heterocyclic compounds and steroids. Bombay, 1973-78.

Prof. S.K. Pradhan, Department of Chemical Technology, University of Bombay, Bombay.

868. Sai Ram, P.
Synthetic studies on heterocyclic systems Part A : Syntheses of new aza-heterocyclic systems based on fused 1,2,4-triazoles; and Part B : A novel synthesis of 3,6-diaryl-1,2,4,5-tetrazines. Osmania, 1979.

Prof. V.R. Srinivasan, Department of Chemistry, Osmania University, Hyderabad.

869. Sharma, Sudhendra Kumar.
Synthesis of some novel heterocyclics through yield intermediates. Rajasthan, 1976-78.

Dr. R.K. Bansal, Lecturer, Department of Chemistry, University of Rajasthan, Jaipur.

870. Tiwari, Jagdish Prasad.
Studies in the synthesis of some angular heterocyclic drugs. Rajasthan, 1976-78.

Dr. R.L. Mittal, Reader, Department of Chemistry, University of Rajasthan, Jaipur.

871. Wadodkar, Krishna Narayan.
Synthesis in heterocyclic compounds. Nagpur, 1973-78.

Dr. K.B. Doifode, Department of Chemistry, Vidarbha Mahavidyalaya, Amravati.

—*Oxy Derivatives*

872. Belgaonkar, V.H.
Studies on isocoumarins. Bombay, 1973-78.

Dr. R.N. Usgaonkar, Institute of Science, Fort, Bombay.

873. Chamoli, R.P.
Novel analysis of phthalan. Garhwal, 1975-79.

Dr. P.C. Gupta, Reader, Department of Chemistry, University of Allahabad, Allahabad.

874. Gupta, Yogeshwar Kumar.
Studies in coumarins. Delhi, 1976-79.

Prof. V.K. Ahluwalia, Department of Chemistry, University of Delhi, Delhi.

875. Lal, Pankaj Kumar.
Studies on oxygen heterocycles. Patna, 1979.

Prof. J.N. Chatterjee, Head, Department of Chemistry, Patna University, Patna.

876. Manimaran, T.
Synthesis of coumarins, thiocoumarins and carbostyrils. Madras, 1974-79.

Dr. V.T. Ramakrishnan, Reader, Department of Chemistry, University Postgraduate Centre, Coimbatore.

877. Mehta, Suman.
A study of coumarins oxygenated in pyrone ring and synthesis of some naturally occurring coumarins. Delhi, 1975-79.

Prof. V.K. Ahluwalia, Department of Chemistry, University of Delhi, Delhi.

878. Nadkarni, D.R.
Studies in isocoumarins. Bombay, 1973-79.

Dr. R.N. Usgaonkar, Institute of Science, Fort, Bombay.

879. Nageswara Rao, D.
Studies in the synthesis of 2,3-diphenyl furano compounds. Kakatiya, 1975-78.

Dr. V.V. Somayajulu, Asstt. Prof., Department of Chemistry, Regional Engineering College, Warangal.

880. Patnaik, Bijaya Kumar.
Synthesis, pesticidal and chromatograph studies on new oxazole derivatives. Utkal, 1979.

Dr. G.N. Mohapatra, Department of Chemistry, Ravenshaw College, Cuttack.

881. Sangapure, S.S.
Studies in benzofurons. Karnatak, 1978.

Dr. Y.S. Agasimundin, Lecturer, Department of Chemistry, Karnatak University Postgraduate Centre, Gulbarga.

882. Shah, Kashmira Kumudchandra.
Synthetic studies in oxygen containing heterocycles (1-H-2-benzopyran - 1 - ones). Patel, 1975-79.

Dr. B H. Bhide, Reader, Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar.

883. Shah, Nayana Jayantilal.
Studies in chalcones and related compounds. Gujarat, 1976-79.

Dr. H.B. Naik, Department of Chemistry, Gujarat College, Ahmedabad.

884. Someswari, N.
Synthesis and physiological activity of 3 and 4 substituted coumarins and chemical investigation of the plant Tragia involucarata. Osmania, 1978.

Dr. V. Sundara Murti, Reader, Department of Chemistry, Osmania University, Hyderabad.

885. Srihari, K.
Syntheses of physiologically active compounds involving 3-and 4-hydroxycoumarins. Osmania, 1979.

Dr. V. Sundara Murti, Reader, Department of Chemistry, Osmania University, Hyderabad.

886. Bhat, V.
Photooxygenations of some nitrogen heterocycles and related substrates. I.I.T., Kanpur, 1975-79.

Prof. M.V. George, Department of Chemistry, Indian Institute of Technology, Kanpur.

887. Dambal, S.B.
Studies in the indole field. Karnatak, 1979.

Dr. L.D. Basanagoudar, Lecturer, Department of Chemistry, Karnatak University, Dharwad.

888. Dubey, Pramod Kumar.
Formation, n-oxidation, styrylation and physiological activity of some imidazo-pyridines derived from 2,3-pyridinediamines and monocarbonyl compounds. Osmania, 1979.

Prof. C.V. Ratnam, Department of Chemistry, Osmania University, Hyderabad.

889. Mitra, A.
Thermal and photochemical transformation of a few azoheterotrienes and related studies. I.I.T., Kanpur, 1974-79.

Prof. M.V. George, Department of Chemistry, Indian Institute of Technology, Kanpur.

890. Pal, Rakesh.
Heterocyclic compounds : Synthetic studies on bridgehead nitrogen heterocycles containing thiazole nucleus. Kurukshetra, 1975-79.

Dr. H.K. Pujari, Reader, Department of Chemistry, Kurukshetra University, Kurukshetra.

891. Rama Mohan Rao, B.
1,3 addition of benzonitrile oxides to heterocyclic bases : Formation of 4-aryl-1-H (1,2,4) oxidiazino (4,5-a) benzimidazoles and 4-aryl-1-H (1,2,4) oxidiazino (4,5-a) pyrimidines. Osmania, 1979.

Dr. Khaleel Ahmed, Department of Chemistry, Osmania University, Hyderabad.

—*Sulphur Derivatives*

892. Madan Lal.
Heterocyclic compounds : Synthetic studies on condensed thiazoles and condensed thiazolidinones. Kurukshetra, 1975-79.

Dr. H.K. Pujari, Reader, Department of Chemistry, Kurukshetra University, Kurukshetra.

893. Vijander Singh.
Heterocyclic compounds : Studies on benzo-2, 1, 3-thiadiazoles, thienoquinolines and thienoindoles. Kurukshetra, 1974-79.

Dr. K.S. Sharma, Reader, Department of Chemistry, Maharshi Dayanand University, Rohtak.

—*Fused Hetero Rings*

894. Mody, A.R.
Studies in isoquinolines. Bombay, 1972-79.

Dr. R.N. Usgaonkar, Institute of Science, Fort, Bombay.

Aromatic Compounds

895. Ganguly, Tapan.
Spectroscopic study of hydrogen bond in some aromatic molecules. Jadavpur, 1979.

Dr. S.B. Banerjee, Reader, Department of Chemistry, Indian Association for the Cultivation of Science, Calcutta.

896. Rao, R.S.
A study of a few derivatives from 2-mercaptobenzoic and 2-hydroxy-1-0-thioxanthenone. Bombay, 1976-79.

Dr. V.V. Nadkarney, Department of Chemistry, St. Xavier's College, Bombay.

Hydrocarbons

897. Arvind Singh.
Study of the complexometric behaviour of substituted and unsubstituted phenyl thioacetamides. Kanpur, 1979.

898. Gnanasekaran, C.
Applicability of linear free energy relationship to reactivity of napthalene derivatives. Madurai, 1975-78.

Prof. P. Ananthakrishna Nadar, Head, Department of Chemistry, V.H.N.S.N. College, Virudhunagar.

899. Malar, E. Joy Padma.
Theoretical studies on intermolecular interactions in the formation of dimers and trimers of aromatic hydrocarbons. I.I.Sc, Bangalore, 1974-79.

Prof. A.K. Chandra, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore.

Oxy & Hydroxy Compounds

900. Kalkote, Uttam Ramrao.
Substituted arylhydroxamic acids : A study. Marathwada, 1979.

Dr. D.D. Goswami, Lecturer, Department of Chemistry, Marathwada University, Aurangabad.

901. Mudaliar, Anuradha.
Studies on N-arylhydroxamic acids. Awadhesh Pratap, 1979.

Dr. Y.K. Agrawal.

902. Sharma, Rajendra.
Studies on 3,4,6,7 dibenzomorphans. Rajasthan, 1975-78.

Dr. B.C. Joshi, Reader, Department of Chemistry, University of Rajasthan, Jaipur.

Natural Products

903. Agrawal, Sudhir.
Studies of synthetic oligonucleotides and some naturally occurring polyphenols. Allahabad, 1975-79.

Dr. (Mrs.) Krishna Misra, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

904. Arbatti, N.J.
Studies on the mechanism of action of centchroman. Bombay, 1976-78.

Dr. A.R. Sheth, Seth G.C. Medical College, Parel, Bombay.

905. Arya, Aditya.
Structural studies of plant constituents. Allahabad, 1974-78.

Prof. R.D. Tewari, Head, Department of Chemistry, University of Allahabad, Allahabad.

906. Bhatnagar, Subodh Chandra.
Chemical investigation in some economic plants. Lucknow, 1960-79.

Prof. S.S. Tewari, Department of Chemistry, University of Lucknow, Lucknow.

907. Bhattacharyya, Kalyan Kumar.
Synthetic approach to spiro compounds related to natural products. Calcutta, 1979.

908. Chander Kanta.
A study of chemical constituents of some Indian plants. Delhi, 1974-79.

Dr. D.K. Bhardwaj, Lecturer, Department of Chemistry, University of Delhi, Delhi.

909. Choudhary, Rajendra Nath.
Chemistry of some indigenous plants. Allahabad, 1975-79.

Dr. K.P. Tewari, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

910. Dasgupta, Padma.
Isolation, characterisation and biological activities of naturally occurring compounds. Calcutta, 1978.

911. Dube, Pramila.
Chemistry of natural products from indigenous plants. Allahabad, 1973-78.

Dr. P.C. Gupta, Reader, Department of Chemistry, University of Allahabad, Allahabad.

912. Ganeshpure, Prall.ad Ambadas.
Synthetic routes to the C_6-C_3 C_3-C_6 system of lignins. Nagpur, 1974-79.

Dr. G. Bagavant, Reader, Department of Chemistry, Nagpur University, Nagpur.

913. Ghosh, Arundhati.
Chemistry of plant products. Calcutta, 1979.

914. Gopalan, S.
Studies on buffalo casein. Madras, 1974-79.

Prof. A. Srinivasan, Department of Chemistry, Loyola College, Madras.

915. Grewal, Savindra.
Some studies in the interaction of biologically important compounds etc. Punjab Agrl., 1974-78.

Dr. S.L. Chopra, Asstt. Prof., Department of Chemistry, Punjab Agricultural University, Ludhiana.

916. Gupta, Prem Shanker.
Investigation of the chemical components of the heartwood of Soymida febrifuga. Kurukshetra, 1976-79.

Dr. M.M. Rao, Reader, Department of Chemistry, Kurukshetra University, Kurukshetra.

917. Jadhav, K.S.
Synthetic approaches to prostaglandins. I.I.T., Bombay, 1973-79.

Prof. G.D. Shah, Department of Chemistry, Indian Institute of Technology, Bombay.

918. Jain, Rakesh Kumar.
Chemical studies of some naturally occurring polyphenolics and their derivatives. Delhi, 1976-79.

Dr. D.K. Bhardwaj, Lecturer, Department of Chemistry, University of Delhi, Delhi.

919. Joshi, Bharatkumar Chimanlal.
Studies in humic acids : Electrochemical properties and synthesis of humic materials in Gujarat soils. Gujarat, 1975-79.

Dr. R.K. Shah, Reader, Department of Chemistry, Gujarat University, Ahmedabad.

920. Katiyar, S.K.
Biochemical studies of some leguminous seeds. Bundelkhand, 1979.

Dr. G.S. Niranjan, Department of Chemistry, D.V. College, Orai.

921. Khazanchi, Rajesh.
Synthetic studies in naturally occurring acetylchromenes, flavones, 2-methylisoflavones and related compounds. Himachal, 1979.

922. Khera, Urmil.
Chemical investigation of the stem bark of Dalbergia volubilis and seeds of Dalbergia latifolia. Delhi, 1977-79.

Dr. S.S. Chibber, Reader, Centre of Advanced Study in Chemistry, University of Delhi, Delhi.

923. Khwaja Ishratullah.
Chemistry of natural products with special reference to flavones and biflavones from indigenous plants. Aligarh, 1974-78.

Prof. Wasiur Rahman, Department of Chemistry, Aligarh Muslim University, Aligarh.

924. Manerikar, S.V.
Studies in natural products. Bombay, 1974-79.

Prof. A.B. Kulkarni, Head, Department of Chemistry, University of Bombay, Bombay.

925. Mangal Nath.
Chemical investigation of Indian yam beans, Pachyrrhizus erosus and biological studies on rotenoids. Delhi, 1972-79.

Dr. M. Krishamurti, Reader, Department of Chemistry, University of Delhi, Delhi.

926. Mehrotra, M.M.
Castor oil prostaglandins : Synthesis of PGF α, homo PGF_1 α, 9,11-etheno PGH_1 and 9,11-etheno homo PGH_1. I.I.T., Kanpur, 1973-79.

Prof. S. Ranganathan, Head, Department of Chemistry, Indian Institute of Technology, Kanpur.

927. Mishra, Chandra Shekhar.
Isolation and synthetic studies on plant polyphenols. Allahabad, 1975-79.

Dr. (Mrs.) Krishna Misra, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

928. Murali Krishna, E.
Natural products : Chemotaxonomic studies on Meliaceae. Kurukshetra, 1975-79.

Dr. M.M. Rao, Reader, Department of Chemistry, Kurukshetra University, Kurukshetra.

929. Nagar, Ashish.
Synthetic and natural studies of some plant polyphenolics. Delhi, 1979.

Dr. S.R. Gupta, Reader, Department of Chemistry, University of Delhi, Delhi.

930. Omanakutty, V.R.
Chemistry of plant products : Application of physico-chemical methods. Saugar, 1979.

Prof. S.S. Nigam, Head, Department of Chemistry, University of Saugar, Sagar.

931. Paradsani, Ramchand T.
Chemical constituents of some Indian plants. Rajasthan, 1976-78.

Prof. K.C. Joshi, Department of Chemistry, University of Rajasthan, Jaipur.

932. Phadke, Raghunath Purushottam.
Investigations on Indian honeybee products. Poona, 1973-78.

Dr. D.S. Datar, Department of Chemistry, Maharashtra Association for the Cultivation of Science, Pune.

933. Rajendra Prasad, Yalamanchili.
Chemistry of natural products. Saugar, 1979.

Prof. S.S. Nigam, Head, Department of Chemistry, University of Saugar, Sagar.

934. Ramayya, T.V.
Studies on vegetable tannins. Madras, 1973-79.

Dr. K.N. Sastry, Asstt. Director, Central Leather Research Institute, Adyar, Madras.

935. Ramesh Chander.
Synthetic studies in some naturally occurring isopentenylated chalcones, flavanones and flavones. Himachal, 1978.

936. Rathore, Yatindra Kumar Singh.
Chemical study of constituents of some Indian plants. Lucknow, 1974-78.

Dr. S.P. Tandon, Department of Chemistry, University of Allahabad, Allahabad.

937. Richards, Anjali.
Structural studies of some plant constituents. Allahabad, 1975-78.

Prof. R.D. Tewari, Head, Department of Chemistry, University of Allahabad, Allahabad.

938. Saraswat, Manju.
Structural studies in plant constituents. Allahabad, 1975-79.

Dr. J.S. Chauhan, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

939. Sengupta, Sumita.
Chemistry of plant products. Banaras, 1974-79.

Dr. A.B. Ray, Department of Chemistry, Banaras Hindu University, Varanasi.

940. Sharda, Rekha.
Chemical investigations of Cannabis sativa (Marihuana) of Indian origin and the seeds of Sisymbrium irio L. Delhi, 1973-79.

Dr. H.G. Krishnamurty, Reader, Department of Chemistry, University of Delhi, Delhi.

941. Sharma, Mahendra Narain.
Structural studies on some plant constituents. Allahabad, 1975-79.

Prof. R.D. Tewari, Head, Department of Chemistry, University of Allahabad, Allahabad.

942. Shirwaikar, A.S.
Studies in lignins. Bombay, 1974-79

Prof. A.B. Kulkarni, Head, Department of Chemistry, University of Bombay, Bombay.

943. Siddiqi, Mohammad Tauseed.
Hypolipedemic principles of Cicer arietinum, biocyanin—A and formation. Aligarh, 1972-78.

Prof. A.M. Siddiqi, Department of Chemistry, Aligarh Muslim University, Aligarh.

944. Singh, R.S.
Chemical examination of Coleus species. Gorakhpur, 1979.

945. Singh, Raghvendra Prasad.
Synthesis of chromoneme derivatives in relation to natural products. Patna, 1978.

Prof. J.N. Chatterjee, Head, Department of Chemistry, Patna University, Patna.

946. Sinha, Kripa Shanker.
Structural studies on some plant constituents. Allahabad, 1977-79.

Prof. R.D. Tewari, Head, Department of Chemistry, University of Allahabad, Allahabad.

947. Srivastava, Savitri Devi.
Studies on plant constituents. Allahabad, 1975-79.

Dr. K.P. Tewari, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

948. Srivastava, Yogendra Shanker.
Chemistry of natural products from indigenous plants. Allahabad, 1973-78.

Dr. P C. Gupta, Reader, Department of Chemistry, University of Allahabad, Allahabad.

949. Subba Raju, K.V.
Chemical examination of some leguminous plants and synthesis of oxygen heterocyclics of insecticidal and fish-toxic interest. Osmania, 1979.

Dr. G. Srimannarayana, Reader, Department of Chemistry, Osmania University, Hyderabad.

950. Subrahmanyam, Kuchibhotla.
Chemical examination of the wood extractives of some medical plants and Piper aurantiacum Wall. Andhra, 1979.

Dr. K.V. Jagannadha Rao, Lecturer, Department of Chemistry, Andhra University, Waltair.

951. Suryanarayana Murty, Sivaraju.
Flavonoids of Anacardium occidentale Linn. and Anacardium semecarpus Linn. Andhra, 1979.

Dr. A.S.R. Anjaneyulu, Reader, Department of Chemistry, Andhra University, Waltair.

952. Tirpathi, Ravi Dutta.
Chemical investigation of indegenous plants. Allahabad, 1977-79.

Dr. K.P. Tewari, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

953. Tuli, Deepak Kumar.
Synthetic studies in naturally occurring isopentenylated isoflavones and related compounds. Himachal, 1978.

954. Verma, Karan Singh.
Chemistry of new iridoid glucosides and chomone glycosides from Tecomella undulata. Delhi, 1979.

Dr. S.R. Gupta, Reader, Department of Chemistry, University of Delhi, Delhi.

955. Yadav, Raj Nath.
Studies on Indian aromatic and medicinal plants. Saugar, 1978.

Prof. S.S. Nigam, Head, Department of Chemistry, University of Saugar, Sagar.

Terpenes & Essential Oils

956. Anantha Reddy, P.
Synthetic studies in terpenoids and Vilsmeir formylation on some hydronaphthalene systems. I.I.Sc., Bangalore, 1975-79.

Prof. G.S. Krishna Rao, Department of Chemistry, Indian Institute of Science, Bangalore.

957. Bakuria, Pratha.
Chemical investigations of some essential oils. Vikram, 1976-78.

Dr. K.S. Boporai, Lecturer, Department of Chemistry, Vikram University, Ujjain.

958. Dasgupta, Asok.
Studies on triterpenoids : Structure elucidation, partial synthesis and transformation. North Bengal, 1977-79.

Late Dr. H.N. Khastgir.

959. Duhan, S.P.S.
Application of nitrogen and growth affecting chemicals on the productivity and quality of essential oils of Mentha piperita Linn. Kumaun, 1979.

Dr. G.K. Sinha, D.B.S. Govt. College, Nainital.

960. Jadhav, Prabhakar Kondaji.
Studies in sesquiterpenes : Newer aspects of longifolene. Poona, 1975-79.

Dr. U.R. Nayak, Scientist, Division of Organic Chemistry, National Chemical Laboratory, Pune.

961. Kulkarni, Bharati Subhash.
Synthesis of terpenes and some transformations of small membered ring compounds. Poona, 1974-79.

Dr. A.S. Rao, Division of Organic Chemistry, National Chemical Laboratory, Pune.

962. Mashraqui, S.H.
Synthesis and reactions in terpenoids. I.I.T., Bombay, 1975-79.

Prof. A.M. Mehta, Department of Chemistry, Indian Institute of Technology, Bombay.

963. Mehta, Yogesh Kumar.
Chemistry of sesquiterpenoids. Punjab Agrl., 1975-79.

Prof. P.S. Kalsi, Head, Department of Chemistry, Punjab Agricultural University, Ludhiana.

964. Mukhopadhyay, Sibabrata.
Studies on the rearrangement in triterpenoids and naturally occurring benzopyrroles and their reactions. Calcutta, 1979.

965. Narayana Swamy, M.
Synthesis of some terpenes. Aligarh, 1973-78.

Prof. Wasiur Rehman, Head, Department of Chemistry, Aligarh Muslim University, Aligarh.

966. Rohela, L.C.
Synthetic experiments in terpenoids. I.I.T., Delhi, 1974-79.

Dr. R.C. Anand, Lecturer, Department of Chemistry, Indian Institute of Technology, New Delhi.

967. Sane, Prakash Pandurang.
Synthesis of terpenoids and epoxides. Poona, 1971-78.

Dr. A.S. Rao, National Chemical Laboratory, Pune.

968. Sanyal, Utpal.
Synthetic studies on sesterterpenes. Calcutta, 1978.

969. Saxena, Dinesh Bahadur.
Studies in essential oils of Palmarasa and Jatamansi. Agra. 1978.
Dr. M.L. Maheshwari, Division of Soil Science and Agricultural Chemistry, Indian Agricultural Research Institute, New Delhi.

970. Sood, Om Parkash.
Synthetic experiments in terpenoids and related compounds. Panjab, 1975-79.

Prof. O.P. Vig, Head, Department of Chemistry, Panjab University, Chandigarh.

971. Sree, Ayinampudi.
Triterpenoid constituents of Acacia concinna DC and their stereochemistry. Andhra, 1978.

972. Surjit Singh.
Synthetic studies in terpenoids. Panjab, 1979.

Prof. O.P. Vig, Head, Department of Chemistry, Panjab University, Chandigarh.

Alkaloids

973. Ghosh, Asim Kumar.
Indole alkaloids and their transformations. Calcutta, 1979.

974. Mohanraj, S.
Studies in the chemistry of natural products : Pyrrolizidine alkaloids of Heliotropium curassavicum Linn. Madras, 1974-79.

Prof. P.S. Subramanian, Department of Chemistry, Presidency College, Madras.

975. Singh, A.N.
Studies on the alkaloids of Cocculus laurifolius and their biosynthesis. Gorakhpur, 1979.

Steroids

976. Joshi, K.A.
Studies in steroids. Bombay, 1976-79.

Dr. A.B. Kulkarni, Reader, Department of Chemical Technology, University of Bombay, Bombay.

977. Padmanabhan, S.
Synthetic investigations on A-nor-heteroaromatic steroids: Total synthesis of A-nor-B-oxerliz display system. I.I.T., Madras, 1979.

Dr. S.R. Ramadas, Asstt. Prof., Department of Chemistry, Indian Institute of Technology, Madras.

Proteins

978. Baligidad, S.K.
Synthesis of peptides of biological interest : Peptides related to C-terminal end of human fibrinopeptide A and peptides related to physalaemin. Bangalore, 1970-78.

Prof. K.M. Sivanandaiah, Department of Chemistry, Bangalore University, Bangalore.

979. Chandra Ballabh.
Studies in the preparation of 6-amino-penicillanic acid and its utilisation in the synthesis of potentially useful analogues of penicillins. Meerut, 1976-79.

Dr. B.S. Saxena, Head, Department of Chemistry, M.M.H. College, Ghaziabad.

980. Chintalpudi, R.S.
Studies on proteins and amino acids in cereals and pulses grown in Ahmedabad district. Gujarat, 1979.

Dr. I.G. Vashi, Reader, Department of Chemistry, Gujarat University, Ahmedabad.

981. Dikshit, M.
Essential amino acid concept in humans : A need for reassessment. Poona, 1973-79.

Dr. R.G. Chitre, K.E.M. Hospital, Pune.

982. Gupta, Hari Om.
Studies on protein metabolism and nutritive quality in maize. Meerut, 1975-79.

Dr. D.K. Rastogi.

Dr. M.L. Ladha, Bio-Chemistry Unit, Maize Project, Indian Agricultural Research Institute, New Delhi.

983. Maurya, Hari Krishna.
Studies in the abiogenesis of amino acids. Allahabad, 1974-78.

Dr. Krishna Bahadur, Reader, Department of Chemistry, University of Allahabad, Allahabad.

984. Srivastava, Mukul.
Studies in the abiogenesis of amino acids. Allahabad, 1973-78.

Dr. (Mrs.) S. Ranganayaki, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

985. Suman Kumari.
Studies in the estimation of amino acids. Allahabad, 1973-78.

Dr. (Mrs.) S. Ranganayaki, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

986. Tausif Alam.
Metabolism of glycolipids and glycoproteins. Aligarh, 1973-78.

Prof. A.S. Bala Subramanyam, Department of Chemistry, Aligarh Muslim University, Aligarh.

987. Vimal Kishore.
Studies in the synthesis of polypeptides with possible biological activities. Kanpur, 1979.

—*Enzymes*

988. Joshi, Hema.
Studies on human polymorphic enzymes and other proteins in blood and bloodstains. I.I.T., Delhi, 1976-79.

Prof. R.D. Dua, Department of Chemistry, Indian Institute of Technology, New Delhi.

Dr. (Miss) S. Sivaram.

989. Manju.
A contribution to the chemistry of proteases and related synthetic experiments. Delhi, 1976-79.

Dr. M.R. Parthasarathy, Lecturer, Department of Chemistry, University of Delhi, Delhi.

990. Meur, S.K.
Studies on human salivary alpha-amylase. I.I.T., Kharagpur, 1974-79.

Dr. K.B. De, Department of Chemistry, Indian Institute of Technology, Kharagpur.

991. Rizvi, Rana Yasmeen.
Studies on a nuclease from chicken liver. Aligarh, 1974-78.

Dr. S.M. Hadi, Lecturer, Department of Chemistry, Aligarh Muslim University, Aligarh.

992. Tribhuwan, Rajanikant Chandrakant.
Mechanisms of alkaline phosphatase formation in Escherichia coli and acid phosphatase formation in Saccharomyces cerevisiae. Poona, 1969-78.

Dr. D.S. Pradhan, Head, Section of Nucleic Acid Metabolism, Bhabha Atomic Research Centre, Trombay, Bombay.

Lipids

993. Ahmad, Mughisuddin.
Fats and fatty acids. Aligarh, 1973-78.

Prof. S.M. Osman, Department of Chemistry, Aligarh Muslim University, Aligarh.

994. Charles, David.
Studies on seed fats and fatty acids. Aligarh, 1972-78.

Prof S.M. Osman, Department of Chemistry, Aligarh Muslim University, Aligarh.

995. Deb, Jahar Kanti.
Role of membrane lipids in metabolic regulation of Salmonella typhimurium. Banaras, 1976-79.

Dr. (Mrs.) Maharani.

996. Nasirullah.
Studies on seed fats and fatty acids. Aligarh, 1975-78.

Prof. S.M. Osman, Department of Chemistry, Aligarh Muslim University, Aligarh.

997. Prabhudesai, Arun Vinayak.
Chemical synthesis of lipids. Poona, 1974-78.

Dr. C.V. Viswanathan, Department of Chemistry, Maharashtra Association for the Cultivation of Science, Pune.

998. Sayed Karam Husain.
Studies on seed fats and fatty acids. Aligarh, 1973-78.

Dr. M. Ahmad, Lecturer, Department of Chemistry, Aligarh Muslim University, Aligarh.

Carbohydrates

—Polysaccharides

999. Bhatnagar, Rakesh.
Studies on the production of the microbial polysaccharine dextran. Kanpur, 1978.

1000. Bhattacharyya, Subhasbandhu.
Structural studies on immunologically specific polysaccharide material of Pneumococcus type IX. Calcutta, 1979.

1001. Channe Gowda, D.
Structural investigation on the polysaccharides of the seed mucilage of Ocimum species. Mysore, 1978.

1002. Dineshwar Prasad.
Chemical study of polysaccharides from leguminous plants and other natural products. Allahabad, 1976-79.

Dr. P.C. Gupta, Reader, Department of Chemistry, University of Allahabad, Allahabad.

1003. Purkayastha, Syamal.
Studies on type XXII Pneumococcus polysaccharide. Calcutta, 1978.

1004. Singh, Lakhendra.
Investigations on the structures of plant polysaccharides. Banaras, 1974-79.

Dr. S.K. Bose.

Prof. O.P. Malhotra, Head, Department of Chemistry, Banaras Hindu University, Varanasi.

Polymers

1005. Amin, Pradipbhai Thakorbhai.
DDT-phenol condensation polymers. Patel, 1979.

Prof. S.R. Patel, Head, Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar.

1006. Bhattacharya, S.K.
Metal polymer composites. I.I.T., Kharagpur, 1975-79.

Dr. Sadhan Kumar Dey. Asstt. Prof., Department of Chemistry, Indian Institute of Technology, Kharagpur.

—*Elastic Polymers*

1007. Bandyopadhyay, Pradip Kumar.
Studies on the sulphur vulcanisation of natural rubber in presence of dicumyl peroxide and binary accelerator systems. I.I.T., Kharagpur, 1978.

1008. Bhattacharyya, Parthasarathi.
Studies on vulcanization of natural rubber. Calcutta, 1979.

1009. Kumaran, M.G.
Compounding of natural rubber with lignin. I.I.T., Kharagpur, 1975-79.

Dr. Sadhan Kumar Dey, Asstt. Prof., Department of Chemistry, Indian Institute of Technology, Kharagpur.

1010. Mukhopadhyay, R.
High temperature vulcanization of elastomers. I.I.T., Kharagpur, 1975-79.

Dr. Sadhan Kumar Dey, Asstt. Prof., Department of Chemistry, Indian Institute of Technology, Kharagpur.

1011. Patel, D.K.
Studies in rubber chemicals : New class of protective agents. Bombay, 1975-78.

Dr. K.H. Shah, Reader, Department of Chemical Technology, University of Bombay, Bombay.

Man-made Fibres

1012. Bhattacharya, Niyati.
Studies in fibres : Kinetic studies on polyamide fibres and their electrical conductivity. Bombay, 1974-78.

Dr. H.T. Lokhande, Reader, Department of Chemical Technology, University of Bombay, Bombay.

Dyes & Pigments

1013. Basu, Biswajit.
Physical parameters of some organic dyes : A theoretical approach. Allahabad, 1974-78.

Prof. A.K. Dey, Department of Chemistry, University of Allahabad, Allahabad.

1014. Chudgar, Navinchandra Kasturchand.
Studies in isoflavones. Baroda, 1977-79.

Prof. S.M. Sethna, Pro-Vice-Chancellor, M.S. University of Baroda, Baroda.

1015. Das, Janak Dulari.
A search for new cyanine dyes, analytical reagents and compounds of pharmacological possibilities. Awadhesh Pratap, 1979.

Dr. V.S. Jolly, Head, Department of Chemistry, Maharaja College, Chhatarpur.

1016. Desai, M.C.
Synthesis of disperse dyes. Bombay, 1974-79.

Prof. S.V. Sunthankar, Department of Chemical Technology, University of Bombay, Bombay.

1017. Eswaran, V.
Studies on some quinonoid pigments. Madurai, 1969-79.

Prof. S. Neelakantan, Head, School of Chemistry, Madurai Kamaraj University, Madurai.

1018. Khan, Mohammed Israel.
Synthesis of dyes and analytical applications of some compounds. Awadhesh Pratap, 1979.

Dr. V.S. Jolly, Head, Department of Chemistry, Maharaja College, Chhatarpur.

1019. Mandal, Arun Kumar.
Studies in cyanine dyes. Patna, 1978.

Dr. J.C. Banerjee, Head, Department of Chemistry, B.N. College, Patna.

1020. Mitra, Alpana.
Studies on disubstituted thioindigoid dyes. Patna, 1979.

Dr. A.K. Singh, Department of Chemistry, B.N. College, Patna.

1021. Pandit, S K.
Studies in synthetic dyes. Bombay, 1968-79.

Dr. B.D. Tilak, National Chemical Laboratory, Pune.

1022. Ramanadham, Garimella Venkata.
Some analytical studies on thiazine group of dyes. Andhra, 1978.

Dr. U. Muralikrishna, Reader, Department of Chemistry, Andhra University, Waltair.

1023. Ramesh, P.
Flavonoids of some South Indian plants. Madras, 1973-78.

Prof. S. Sankarasubramanian, Head, Department of Chemistry, Jawaharlal Nehru Institute of Post-graduate Medical Education and Research, Pondicherry.

1024. Subramanian, K.
Studies on the physico-chemical properties of dyes. Bombay, 1970-79.

Prof. S.R.S. Iyer, Department of Chemical Technology, University of Bombay, Bombay.

CRYSTALLOGRAPHY

1025. Balasubramaniam, K.
Optical, electrical and thermoluminescene properties of some alkali halides doped with lead and tin. I.I.T., Madras (Physics) 1978.

Dr. S.B.S. Sastry, Department of Physics, Indian Institute of Technology, Madras.

1026. John, V.
Studies on growth and dissolution of forsterile and fluorite crystals. Patel (Physics) 1973-78.

Dr. C.C. Desai, Reader, Department of Physics, Sardar Patel University, Vallabh Vidyanagar.

Structural Crystallography

1027. Arora, S.K.
Crystal structure near Gauribidanur in Southern India from the Gauribidanur array data of local earth-

quakes, rockbursts and chemical explosions. Bombay (Physics) 1971-78.

Dr. P.K. Iyengar, Bhabha Atomic Research Centre, Trombay, Bombay.

1028. Bhattacharjee, Sovan Kumar.
Crystal structure studies on bicyclic and heterocyclic amino acid analogues. Madras (Physics) 1974-79.

Dr. K.K. Chacko, Reader, Department of Biophysics and Crystallography, University of Madras, Madras.

1029. George, K.J.
A model potential study of lattice dynamical properties of some metals. I.I.T., Delhi (Physics) 1975-79.

Dr. L.M. Tiwari, Asstt. Prof., Department of Physics, Indian Institute of Technology, New Delhi.

1030. Ghose, Amal Kanti.
Studies on the lattice mechanics of some ionic crystals. Jadavpur (Physics) 1974-78.

Dr. A.N. Basu, Department of Physics, Jadavpur University, Calcutta.

1031. Jani, A.R.
Lattice dynamics of some cubic metals. Gujarat (Physics) 1979.

Dr. V.B. Gohel, Reader, Department of Physics, Gujarat University, Ahmedabad.

*1032. Kundu, Mohanlal.
Crystal structure of potassium dipicrylaminate and molecular configurations of some salts of dipicrylamine. Burdwan (Physics) 1976-79.

Prof. Sujit Chandra Chakraborty, Department of Physics, University of Burdwan, Burdwan.

Dr. S.K. Ghosh, Addl. Supt. (P.R.W.) The Fertilizers India Ltd., Sindri.

1033. Lakshmipathi Rao, M.
Study of imperfections of KCl crystals doped with alkaline earth chlorides. Osmania (Physics) 1978.

Dr. V. Hari Babu, Reader, Department of Physics, Osmania University, Hyderabad.

1034. Pal, Sumita.
Studies on some properties of ionic crystals in perfect lattices and lattices with substitutional defects. Calcutta (Physics) 1979.

1035. Pathak, Lalta Prasad.
Lattice dynamics of solids. Allahabad (Physics) 1973-78.

Dr. M.P. Hemkar, Lecturer, Department of Physics, University of Allahabad, Allahabad.

1036. Prabhakaran Nayar, S.R.
Elastic wave propagation in crystals and lattice vibrations of A-15 compounds. Kerala (Physics) 1971-78.

Prof. K.S. Viswanathan, Head, Department of Physics, University of Kerala, Trivandrum.

1037. Rai, Ravi Chand.
Lattice dynamical study of solids. Allahabad (Physics) 1975-78.

Dr. M.P. Hemkar, Lecturer, Department of Physics, University of Allahabad, Allahabad.

1038. Rajaram, R.K.
Investigations in crystal structure analysis. Madurai, (Physics) 1972-78.

Prof. K.S. Chandrasekaran, School of Physics, Madurai Kamaraj University, Madurai.

1039. Rathore, Rajpal Singh.
Lattice dynamics of cubic metals. Agra (Physics) 1978.

Dr. M.P. Verma, Head, Department of Physics, Agra College, Agra.

1040. Selvarajan, J.V.
Interionic potentials and Schottky defects in alkali halides. I.I.T., Madras (Physics) 1979.

Dr. Y.V.G.S. Murti, Asstt. Prof., Department of Physics, Indian Institute of Technology, Madras.

1041. Sharma, Hari Om.
Lattice anharmonicity of diamond structure crystals and alkali metals. Delhi (Physics) 1977-79.

Dr. D.P. Goel, Reader, Department of Physics and Astrophysics, University of Delhi, Delhi.

1042. Sreedharan Pillai, K.
Studies on growth and surface microtopography of synthetic and natural lead molybdate crystals. Kerala (Physics) 1972-78.

Dr. M.A. Ittyachen, Reader, Department of Physics, University of Kerala, Trivandrum.

1043. Trivedi, Sudhir Babulal.
Study of selenium tellurium alloy single crystals. Baroda (Physics) 1974-78.

Dr. V.P. Bhatt, Reader, Department of Physics, M.S. University of Baroda, Baroda.

1044. Virendra Shanker.
Point defects in polycrystalline calcium sulphide. Delhi (Physics) 1974-79.

Dr. G.C. Jain, Director, National Physical Laboratory, New Delhi.

Diffraction Methods

1045. Ansari, A.A.
Electron paramagnetic resonance studies on Hn^{2+}, Vo^{2+} and R^{3+} in single crystals. I.I.T., Kanpur (Physics) 1972-79.

Dr. P. Venkateswarlu.

Dr. D. Ramachandra Rao.

1046. Bansal, M.L.
Raman scattering study of order-disorder phase transition in $(NH_4)_2$ $CuCl_4$ $2H_2O$ and dynamics of $(NH_4)1-xk\ x)_2$ $CuCl_4$ $2H_2O$ mixed crystals. Bombay (Physics) 1974-78.

Dr. N.S.S. Murthy, Bhabha Atomic Research Centre, Trombay, Bombay.

1047. Ramchander, R.B.
Systematic study of X-ray diffraction of polycrystalline materials. Osmania (Physics) 1979.

Dr. G. Gopalakrishna, Department of Physics, Osmania University, Hyderabad.

1048. Sinha, Uma Shanker.
Study of diffuse X-ray reflections from crystals and determination of elastic constants [$NH_4H_2PO_4$, KH_2PO_4 and $(NH_4)_2$ SO_4]. Bihar (Physics) 1979.

Dr. S.C. Prasad, Head, Department of Physics, University of Bihar, Muzaffarpur.

1049. Sundar Raj, T.F.
Proton and deuteron magnetic resonance in paramagnetic crystalline hydrates. Nagarjuna (Physics) 1972-78.

Prof. C.R.K. Murthy, Department of Physics, Nagarjuna University, Nagarjunanagar.

1050. Syed Ashfaquzzaman.
X-ray crystallographic studies of some aminophenols : 4-Chloro-2-aminophenol, 2-aminophenol and 4-aminophenol. Gorakhpur (Physics) 1979.

1051. Tayal, Vijay Prakash.
Liberation spectra of certain crystal hydrates. Kanpur (Physics) 1978.

1052. **Vaingankar, Anil Shantaram.**
X-ray spectroscopic studies of some ferrites. Shivaji (Physics) 1976-79.

Prof. R.N. Patil, Head, Department of Physics, Shivaji University, Kolhapur.

1053. Vani, G.V.
X-ray analysis of the crystal structure of some mesogenic compounds. Mysore (Physics) 1979.

Physical Crystallography

1054. Ramana Murthy, S.
Elastic behaviour, magnetostriction and internal friction of polycrystalline ferrites in the neighbourhood of Curie temperature. Osmania (Physics) 1979.

Prof. T. Seshagiri Rao, Department of Physics, Osmania University, Hyderabad.

Electrical, Electronic & Magnetic Properties

1055. Garela, R.P.
Theoretical studies of ferroelectric crystals. Garhwal (Physics) 1975-79.

Dr. B.S. Semval, Birla College, Srinagar.

1056. Gulshan Rai.
Effect of sample size on the low frequency electrical behaviour of ferroelectric triglycine selenate. Delhi (Physics) 1975-79.

Dr. Abhai Man Singh, Reader, Department of Physics and Astrophysics, University of Delhi, Delhi.

1057. Kale, Vidya Kumar.
Dielectric and electrical properties of fused KNO_2 and KNO_3 crystals. Nagpur (Physics) 1972-78.

Dr. V.G. Kher, Head, Department of Physics, Institute of Science, Nagpur.

1058. Rama Rao, A.H.
Dielectric behaviour of ferroelectric and related crystals. I.I.Sc., Bangalore (Physics) 1973-78.

Prof. P.S. Narayanan, Department of Physics, Indian Institute of Science, Bangalore.

Dr. H.L. Bhat, Asstt. Prof., Department of Physics, Indian Institute of Science, Bangalore.

1059. Ray, Bondana.
Magnetic and electrical properties of antimony telluride and antimony sulphide crystals. Calcutta (Physics) 1978.

1060. Syamasundara Rao, Y.
Studies on dielectric properties and electrical conductivity of $NoNG_3$ crystals. I.I.T., Madras (Physics) 1979.

Prof. C. Ramasastry, Department of Physics, Indian Institute of Technology, Madras.

Thermal Properties

1061. Sharma, D.P.
Thermal expansion of ferroelectric and related crystals. I.I.Sc., Bangalore (Physics) 1971-79.

Prof. P.S. Narayanan, Department of Physics, Indian Institute of Science, Bangalore.

Optical Crystallography

1062. Ashok Kumar.
Optical and electrical studies on melt grown lead tin selenide and lead tin telluride crystals. I.I.T., Delhi (Physics) 1974-79.

Dr. O.P. Agnihotri, Asstt. Prof., Department of Physics, Indian Institute of Technology, New Delhi.

1063. Karat, Prakash P.
Electric and magnetic effects in liquid crystals. Mysore (Physics) 1979.

1064. Pandey, Chhatar Pal.
Ultrasonic and dielectric behaviour of some liquid crystals. Ravishankar (Physics) 1978.

Prof. Suresh Chandra, Head, Department of Physics, Ravishankar University, Raipur.

1065. Subrahmanyam, H.S.
Studies on the optical behaviour of liquid crystalline and crystallizing media in relation to their structure. Mysore (Physics) 1979.

1066. Suresh, K.A.
Experimental studies on the optical properties of cholesteric liquid crystals. Mysore (Physics) 1979.

EARTH SCIENCES

MINERALOGY

1067. Rambabu, Choudhari.
Studies on beneficiation of some Indian phosphorites and apatites. Bombay (Chemistry) 1969-78.

Dr. K.K. Mujumdar, Bhabha Atomic Research Centre, Trombay, Bombay.

Physical Mineralogy

1068. Adhya, S.K.
Mass spectrometric and thermal studies of materials related to fertilizer industry. I.S.M., Dhanbad (Chemistry) 1979.

Prof. T.C. Rao, Head, Department of Chemistry, Indian School of Mines, Dhanbad.

Prof. B.K. Banerjee.

1069. Bagchi, Aloke.
Magnetic studies on the hematites of Singhbhum iron ore range. I.I.T., Kharagpur, 1972-79.

Dr. T.K. Bhattacharyya, Lecturer, Department of Geology and Geophysics, Indian Institute of Technology, Kharagpur.

1070. Bhatia, Gopal.
Characteristics of carbon mixes. Delhi (Physics) 1973-79.

Dr. G.C. Jain, Dy. Director, National Physical Laboratory, New Delhi.

1071. Chandwadkar, A.J.
Studies on physico-chemical properties of synthetic zeolites. Poona (Chemistry) 1975-79.

Dr. (Mrs.) S.B. Kulkarni, National Chemical Laboratory, Pune.

1072. Desh Mittra.
Thermal dehydration and phase transformations of some selected zeolites from Poona and Nasik Areas of Deccan Traps, India. Delhi, 1975-79.

Dr. S. Varadarajan, Reader, Department of Geology, University of Delhi, Delhi.

Chemical Mineralogy

1073. Chattoraj, Bansi Dhar.
Beneficiation of low grade Indian magnesite for the production of magnesia refractories. Calcutta (Applied Chemistry) 1978.

1074. Satish, P.N.
Experimental mineralogy and crystal growth of copper sulphides. Mysore, 1978.

1075. Shanti Swarup.
Effect of organic and inorganic additives on mineralization. Aligarh (Chemistry) 1976-78.

Dr. H.N. Singh, Department of Chemistry, Aligarh Muslim University, Aligarh.

GEOLOGY

Regional Geology

1076. Bhattacharyya, Nikhilchandra.
Nature and origin of the Arkasani granophyres between Kharsawan and Kolabira in the Singbhum District, Bihar. Calcutta, 1979.

1077. Chhabra, Nandlal.
Geology and micropalaeontology of certain triassic sections in Kashmir and Kumaun Himalaya. Lucknow, 1972-78.

Dr. Ashok Sahni, Reader, Department of Geology, University of Lucknow, Lucknow.

1078. Deshpande, Yashwant.
Lithopacies analysis and sedimentation of lower Gondwana of Singareni. Osmania, 1979.

Dr. B E. Vijayam, Reader, Department of Geology, Osmania University, Hyderabad.

1079. Ghodke, S.S.
Geology of the area around Panvel, Kolaba District, Maharashtra. Poona, 1976-79.

Dr. A.V. Phadke, Lecturer, Department of Geology, University of Poona, Pune.

1080. Malpathak, Ganesh Trimbak.
Geology of Ambamata Area in North Gujarat. Baroda, 1972-79.

Prof. S.S. Merh, Head, Department of Geology, M.S. University of Baroda, Baroda.

1081. Parashar, Vishvas Tryambak.
Geology of the area around Ammapur and Hunasagi, Gulbarga District, Karnatak State, India. Poona, 1970-79.

Dr. R K. Sukhtankar, Lecturer, Department of Geology, University of Poona, Pune.

1082. Prasad, Chittaranjan.
Geomorphological and sedimentological studies in Doon Valley, U.P. Meerut, 1970-78.

Prof. A.C. Jhingran, D.B.S. College, Dehradun.

1083. Rai, Dhaneshwar.
Geological and mineralogical investigation of the tin-tungsten deposits of Chhakkarbandah, District Gaya, Bihar. Banaras, 1969-79.

Prof. N.K. Mukherjee, Department of Geology, Banaras Hindu University, Varanasi.

1084. Sinharay, Sabimal.
Structural and metamorphic history of the Daling and associated rocks in the Rangpo-Chu valley, North of Pedong, Darjeeling District, West Bengal, India. Calcutta, 1978.

1085. Trivedi, Mahendraprasad Chhotalal.
Geological investigations of the rocks and soils of the area covering western part of Surendranagar District and eastern part of Rajkot District of Gujarat State with reference to their engineering properties. Baroda, 1969-78.
Shri S.D. Desai, Reader, Department of Geology, M.S. University of Baroda, Baroda.

GEOPHYSICS

1086. Dimri, Vijay P.
Some applications of information and filter theory concepts to geophysical interpretation, particularly to gravity studies. I.S.M., Dhanbad, 1978.

Prof. J. Singh.

Prof. J.G. Negi.

1087. Majumdar, Ranjit K.
Model studies of resistivity and induced polarisation effects over dykes of finite strike extent. I.I.T., Kharagpur, 1971-79.

Dr. S.H. Rao, Asstt. Prof., Department of Geology and Geophysics. Indian Institute of Technology, Kharagpur.

1088. Subba Rao, D.V.
Gravity studies over Mahandi and South Rawa Gondwana basins of India. Andhra, 1979.

Dr. M.N. Curreshy, Department of Geology, Andhra University, Waltair.

Hydrology

1089. Balwant Singh.
Effects of soil conservation practices on ground water recharge in the Deccan trap formations around Rahatgarh, Sagar District, M.P. Saugar, 1978.

Prof. W.D. West, Department of Geology, University of Saugar, Sagar.

1090. Basappa Reddy, M.
Hydrogeology of the upper Cauvery Basin. Bangalore, 1971-79.

Prof. C. Naganna, Head, Department of Geology, Bangalore University, Bangalore.

1091. Datta, Dilip Kumar.
Hydrogeology of coastal aquifers with special reference to Haldia Port Area, Midnapore District, West Bengal. Jadavpur, 1975-78.

Prof. B.C. Mukherjee, Head, Department of Geological Sciences, Jadavpur University, Calcutta.

Meteorology

1092. Choudhury, Arun Kanti.
Nor' Westers of Bengal. Jadavpur (Physics) 1970-79.

Prof. T.C. Roy, Department of Physics, Jadavpur University, Calcutta.

Dr. A.K. Mukherjee, Director, Meteorological Office, Bombay.

1093. Panakala Rao, D.
A comparative study of some physical processes governing the potential productivity of the Bay of Bengal and Arabian Sea. Andhra, 1978.

1094. Rajamani, Sannasi Nadar.
Some energy aspects of the Indian Southwest Monsoon. Poona (Physics) 1969-78.

Dr. B.V. Ramanamurty, Indian Institute of Tropical Meteorology, Ramdurg House, Shivajinagar, Pune.

1095. Veerayya, Muthavarapu.
Studies on the geological aspects of the beaches of Goa in relation to some meteorological and physical oceanographic factors. Andhra, 1978.

Dr. V.V.R. Varadachari, Department of Geology, Andhra University, Waltair.

Climatology

1096. Ramamohan Rao, Hebbar Subbaramaiah.
A study on the water balance and drought climatology of Tamil Nadu. Andhra, 1979.

Prof. V.P. Subrahmanyam, Department of Geology, Andhra University, Waltair.

1097. Subrahmanya Sastri, Sita Rama Anjaneya.
Studies on some agroclimatic aspects of Andhra Pradesh. Andhra, 1979.

Dr. A.R. Subrahmanyam, Department of Geology, Andhra University, Waltair.

Stratigraphy

1098. Bhalla, S.N.
Contribution to the study of mesocene and tertiary formation of A.P. and recent foraminifera from the East West of India. *D.Sc.* Aligarh, 1979.

1099. Das, Niranjan Kumar.
A contribution to the palaeontology and stratigraphy of a part of marine cretaceous formation of Meghalaya. Gauhati, 1972-78.

Dr. D.N. Ghosh, Department of Geology, Gauhati University, Gauhati.

1100. Desai, Geeta Kanaiyalal.
Mesozoic sediments of the Wagad Hills of Eastern Kutch. Baroda, 1973-79.

Prof. S.S. Merh, Head, Department of Geology, M.S. University of Baroda, Baroda.

1101. Gergan, Joseph Thsetan.
Stratigraphic and tectonic studies on the Indus suture belt between Dras and Kargil. Jammu, 1975-79.

Dr. S.K. Shah, Reader, Department of Geology, University of Jammu, Jammu.

1102. Ghanshyam Dass.
Geology and sedimentology of the lower tertiary rocks of the Morni-Sarain, Dadahu Region, Haryana and Himachal Pradesh. Panjab, 1972-78.

Dr. R.S. Choudhary, Lecturer, Department of Geology, Panjab University, Chandigarh.

1103. Goswami, Sushil Chandra.
Geology of the precambrian metamorphites of the area around Sonapahar, Meghalaya. Dibrugarh, 1977-79.

Dr. C.C. Bhattacharyya, Reader, Department of Geology, Gauhati University, Gauhati.

1104. Jouhari, Anil Kumar.
Studies on the geology and micropalaeontology of the marine tertiary rocks around the Vinjhan-Miani Area, Southwestern Kuton, Gujarat with special reference to smaller foraminifera. Lucknow, 1969-78.

Prof. K.P. Vimal, Department of Geology, University of Lucknow, Lucknow.

1105. Khanna, Ashok Kumar.
Stratigraphy and palynology of the Subathu formation of the Punjab Basin, India. Lucknow, 1972-78.

1106. Mathur, Umesh Behari.
Studies on the quaternary carbonates of Southern Saurashtra with special reference to the miliolite problem. Baroda, 1976-79.

Prof. S.S. Merh, Head, Department of Geology, M.S. University of Baroda, Baroda.

1107. Rawat, Rajinder Singh.
Stratigraphy, structure and petrology of Naini granite and the associated formations, northeast of Rudraprayag, Chamoli District, Garhwal Himalaya, U.P., India. Delhi, 1975-79.
Dr. S. Varadarajan, Reader, Department of Geology, University of Delhi, Delhi.

1108. Shrivastava, Bharat Prakash.
Contribution to the stratigraphy of the West-Central Rajasthan. Banaras, 1969-79.

Dr. S.N. Taluqdar.

1109. Southanou, Sychanthavong.
Studies in the precambrian rocks around Posina and Kherod in North Gujarat. Baroda, 1974-79.

Prof. S.S Merh, Head, Department of Geology, M.S. University of Baroda, Baroda.

1110. Verma, Krishna Kumar.
Contribution to the study of the quaternary sediments of Southern Saurashtra coast, Gujarat with special reference to the microfauna and sea level changes. Baroda, 1976-79.

Prof. S.S. Merh, Head, Department of Geology, M.S. University of Baroda, Baroda.

Structural Geology

1111. Gautam, K.V.V.S.
Structure, stratigraphy and petrology of sausar group rocks in Chila, Sitekasa area, Bhendara Distt., Meghalaya. I.S.M., Dhanbad, 1979.

Prof. S.N. Sarkar, Head, Department of Applied Geology, Indian School of Mines, Dhanbad.

1112. Merchant, H.M.
Structural geology and petrology of the island of Bombay and surrounding areas. Bombay, 1973-79.

Dr. S.F. Sethna, Head, Department of Geology, St. Xavier's College, Bombay.

1113. Rajurkar, Suresh Trimbak.
Structure and correlation of the upper Cuddapah strata in the northern part of Cuddapah Basin, Andhra Pradesh. Nagpur, 1971-78.

Dr. Y.S. Sahasrabudhe, Senior Geologist, Geological Survey of India, Nagpur.

Geochemistry

1114. Bharadwaj, Raghvendra Nath.
Study of Girnar complex with special reference to the geochemistry of alkaline rocks, Distt. Junagadh, Gujarat. Banaras, 1972-79.

Dr. S.C. Karkare, Lecturer, Department of Geology, Banaras Hindu University, Varanasi.

1115. Lakshmipathi, N.S.
Chemical petrology and petrogenesis of metamorphic rocks of Homenarasipur schist belt, Karnataka State, South India. I.I.Sc., Bangalore (Chemistry) 1974-79.

Dr. G.V. Anantha Iyer, Asstt. Prof., Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore.

Dr. T.R.M. Kutty. Asstt. Prof., Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore.

1116. Machigad, B.S.
Geochemical and mineralogical investigations of Charnockites and the associated rock types of Malvalli—Sivasamudram Area, Mandya District, Karnataka. Karnatak, 1978.

Prof. M.S. Sadashivaiah, Head, Department of Geology, Karnatak University, Dharwad.

1117. Najafi, S.J.
Geology and geochemistry of the basalt flows in the Mahad-Mahabaleshwar and Panchagani-Wai sections. Bombay, 1973-79.

Dr. R.N. Sukheswala. Department of Geology, St. Xavier's College, Bombay.

1118. Pada Kutty, Durga.
Geochemical studies on the precambrian rocks around Gaya, District Gaya, Bihar. Banaras, 1973-79.

Dr. Arup Deb.

1119. Singh, Daya Nath.
Geochemical control during base metal mineralization with special reference to the copper occurences of Bihar. Patna, 1979.

Prof. R.C. Sinha, Head, Department of Geology, Patna University, Patna.

1120. Sinha, Shree Narayan.
Geochemistry of the metamorphites in and around Kandra Area, Distt. Singhbhum, Bihar. Patna, 1978.

Prof. R.C. Sinha, Head, Department of Geology, Patna University, Patna.

1121. Srivastava, Rajiva Ranjan.
Geochemistry of lime and magnesia metasomites in the rocks of the area west of Shiv Sagar, Kodarma, Bihar. Patna, 1978.

Dr. P.K. Ghosh, Lecturer, Department of Geology, Patna University, Patna.

PETROLOGY

1122. Narayan, Akhilesh.
Petrology of the rocks of Bakhatgarh Region, Jhabua Distt., M.P. Awadhesh Pratap, 1979.

Dr. S.C. Verma.

1123. Sarma, Kali Prasad.
Petrological and structural study of the precambrian rocks of Botlaguduru Area, Kanigiri Taluk, Prakasam District, Andhra Pradesh. Gauhati, 1971-79.

Dr. M.N. Rao, Reader, Department of Geology, Gauhati University, Gauhati.

1124. Sharma, K.K.
A study of manganese deposits and the associated rocks in District Baroda, Gujarat. Aligarh, 1961-78.

Prof. S. Habib Rasul, Head, Department of Geology, Aligarh Muslim University, Aligarh.

1125. Yadav, Ranjan Prasad.
Geology and petrology of the rocks in the neighbourhood of Balumath. Distt. Palamau, Bihar. Patna, 1979.

Prof. R.C. Sinha, Head, Department of Geology, Patna University, Patna.

Igneous Rocks

1126. Hakim Rai.
Petrological and geochemical studies of Kargil igneous complex, Ladakh District, Jammu and Kashmir, India. Panjab, 1975-78.

Prof. I.C. Pande.

1127. Patel, Sharadchandra Gordhanbhai.
Geological investigations around Ranibagh and Amritpur, Nainital Distt., U.P. with special reference to the igneous rocks. Baroda, 1971-79.

Dr. S.J. Desai, Reader, Department of Geology, M.S. University of Baroda, Baroda.

Volcanic Rocks

1128. Deshmukh, Shrikant Shridhar.
A critical petrological study of the Deccan basalts and associated high level laterites in parts of the Western Ghats, Maharashtra State. Nagpur, 1971-78.

Dr. Y.S. Sahasrabudhe, Senior Geologist, Geological Survey of India, Nagpur.

Plutonic Rocks

1129. Satyanarayana, B.
Studies on granites of Palmakole and Pahadeshareef Areas, Hyderabad District, A.P. Osmania, 1979.

Prof. Y.J. Rao, Department of Geology, Osmania University, Hyderabad.

1130. Uppal, Subash Chander.
Studies on the hant granites, Baramulla District, Kashmir Himalaya. Jammu, 1974-79.

Dr. C L. Munshi, Lecturer, Department of Geology, University of Jammu, Jammu.

Metamorphic Rocks

1131. Haldra, Swapan Kumar.
Metamorphic petrology of the area around Sonapahar, Distt. Kamrup, Meghalaya. Banaras, 1972-79.

Dr. R.K. Lal, Reader, Department of Geology, Banaras Hindu University, Varanasi.

1133. Jiwan, Jaswant Singh.
A contribution to the geology with special reference to metabasics of the area around Rampur, Himachal Pradesh, India. Panjab, 1975-78.

Prof. I.C. Pande.

Sedimentary Rocks

1132. Agrawal, Jagdish Chandra.
Sedimentological studies on Gondwana rocks in a part of Singrauli Coalfield, Districts Mirzapur and Sidhi. Banaras, 1969-79.

Dr. M.N. Mehrotra, Reader, Department of Geology, Banaras Hindu University, Varanasi.

1134. Chadha, Satish Kumar.
Sedimentological studies of the rock units of the area between Jangal Gali and Salal, Jammu and Kashmir State. Jammu, 1975-79.

Dr. T.R. Bhatia, Reader, Department of Geology, University of Jammu, Jammu.

1135. Kataki, Tarakeswar.
Studies on sedimentology of rocks of the Jaintia group : Sheelvetta area, Karbi Anglong District,

Assam, with special reference to limestones. Dibrugarh, 1975-79.

Dr. D.N. Goswami, Reader, Department of Geology, Gauhati University, Gauhati.

1136. Khan, Zahid Ali.
Lethofacies sendimentation trend and paleoflow characters of Karharbari and Barakai strata in East Bokaro coalfield, Bihar. Aligarh, 1970-78.

Dr. S M. Cashyap, Reader, Department of Geology, Aligarh Muslim University, Aligarh.

1137. Radhakrishna, Indugula.
Studies on some aspects of the sedimentary formations of West Godavari District, Andhra Pradesh, India. Andhra, 1978.

Prof M. Poornachandra Rao, Department of Physics. Andhra University, Waltair.

1138. Singh, Dhirendra Narain.
Studies in neogene smaller foraminifera of Little Andaman Island, Bay of Bengal. Banaras, 1974-79.

Dr. M.S. Srinivasan. Reader, Department of Geology, Banaras Hindu University, Varanasi.

ECONOMIC GEOLOGY

Carbonaceous Materials

1139. Choudhary, S G.
Distribution of sulphur in tertiary coals of upper Assam and Arunachal Pradesh. I S M., Dhanbad, 1979.

Prof. D. Chandra, Department of Applied Geology, Indian School of Mines, Dhandad.

Prof. S. Ghose.

1140. Mukherjee, Anoop Kumar.
Tectonics and sedimentation of the Raniganj formation with special reference to coal metamorphism, Raniganj Coalfield. Banaras, 1973-79.

Shri A.K. Datta.

1141. Srivastava, Gauri Shankar Prasad.
Geology and petrology of the coal seams of Jharia Coalfield affected by heat. I.S M., Dhanbad, 1978.

Prof. D. Chandra, Department of Applied Geology, Indian School of Mines, Dhanbad.

Metals & Semimetals

1142. Krishnan Raju, K.
Geology and gold mineralization at Hutti gold mines, Karnataka, India with special reference to the mining and geological aspects. Osmania, 1979.

Dr. N. Ramana Rao, Department of Geology, Osmania University, Hyderabad.

1143. Surinder Singh.
Fission track dating and uranium distribution in pegmatities of Rajasthan State, India. Punjabi (Physics) 1977-79.
Dr. H.S. Virk, Reader, Department of Physics, Punjabi University, Patiala.

1144. Venty, Mohana Vijaya Ramayya Kruthi.
Effect of mineralogy on the extraction of uranium from ores. Osmania, 1979.

Prof. Y.J. Rao, Department of Geology, Osmania University, Hyderabad.

Earthy Materials

1145. Bedi, Ratish Kumar.
Physico-chemical studies and dielectric behaviour of some clays. Jammu (Physics) 1973-78.

Dr. S.N. Khosla, Reader, Department of Physics, University of Jammu, Jammu.

1146. Chakraborti, Ashokkumar.
Studies on dehydration-rehydration behaviour of vermiculite in relation to exchangeable cations. Calcutta (Chemistry) 1978.

1147. Gupta, Chander Sheikhar.
Physico-chemical, thermal and mechanical studies of some clays. Jammu (Physics) 1973-79.

Dr. S.N. Khosla, Reader, Department of Physics, University of Jammu, Jammu.

PALAEONTOLOGY

1148. Prasad, M.N.V.
Contribution to the knowledge of fossils from Kamthi beds of Maharashtra, India. Lucknow (Botany) 1976-79.

Dr. K.R. Sarange, Birbal Sahni Institute of Palaeobotany, Lucknow.

Palaeobotany

1149. Aery, Naresh Chandra.
Geobotanical studies of the regions of zinc ore deposits in Udaipur region. Udaipur (Botany) 1975-78.

Prof. Y.D. Tyagi, Department of Botany, School of Basic Sciences and Humanities, University of Udaipur, Udaipur.

1150. Bonde, S.D.
Studies on the fossil flora of Chanda Area. Poona (Botany) 1975-79.

Dr. N.V. Biradar, Lecturer, Department of Botany, University of Poona, Pune.

1151. Mahajan, Dinkar Ramchandra.
Studies on the quaternary flora of Pravara River Basin, District Ahmednagar, Maharashtra State and a study of some petrified woods from Wardha—Godavari Valley. Poona (Botany) 1969-78.

Dr. T.S. Mahabale, Department of Botany, Maharashtra Association for the Cultivation of Science, Pune.

1152. Singh, Rajesh Bahadur.
Contribution to the knowledge of fossil flora from the Deccan intertraps of Mohgaon Kalan, M.P., India. Nagpur (Botany) 1973-78.

Dr. G.V. Patil, Department of Botany, Institute of Science, Nagpur.

1153. Zeba Bano.
Studies on the fossil flora from the upper Gondwana of India. Lucknow (Botany) 1971-78.

Dr. M.N. Bose, Birbal Sahni Institute of Palaeobotany, Lucknow.

ANTHROPOLOGY

1154. Daschaudhuri, Pratima.
Concept of disease and methods of treatment (Medical and non-medical) in West Bengal. Calcutta, 1978.

1155. Raychaudhuri, Samirkumar.
Physical anthropology of the males of Nadia District. Calcutta, 1979.

1156. Sil, Pranati.
Human skeletal m. terials and cultural contents in ancient India : A study in spatio-temporal relationship. Calcutta, 1979.

Human Genetics

1157. Navnit Singh.
Genetics of human body composition : A morphological-cum-biochemical approach. Punjabi, 1975-79.

Dr. I.J.S. Bansal, Department of Human Biology, Punjabi University, Patiala.

1158. Pandey, Nisha.
Morphological and genetical variation in resistance of susceptibility to pulmonary tuberculosis. Lucknow, 1972-78.

Dr. B.R.K. Shukla, Lecturer. Department of Anthropology, University of Lucknow, Lucknow.

1159. Sarkar, Rita.
A correlative study of the cytogenetics, blood groups, dermatoglyphics, and certain biochemical aspects of the reproductive disorders in man. Madras, 1974-79.

Dr. A. Venugopal, Hony, Director, Postgraduate Institute of Basic Medical Sciences, Madras.

Dr. K.M. Marimuthu, Head, Division of Genetics, Postgraduate Institute of Basic Medical Sciences, Madras.

1160. Walimbe, S.R.
Bio-genetical affinities of the Kolis of Maharashtra. Poona, 1972-78.

Dr. R.K. Mutatkar, Head, Department of Sociology and Anthropology, University of Poona, Pune.

Anthropometry

1161. Chand Raja.
A study of body density, body volume, leg volume and arm volume of Punjabi females. Delhi, 1974-79.

Dr. Ranbir Singh, Lecturer, Department of Anthropology, University of Delhi, Delhi.

Dr. Hari Bhardwaj, Lecturer, Department of Anthropology, University of Delhi, Delhi.

1162. Dutta, Deepanjana.
Intergroup variability in respect of certain dermatoglyphic characters. Dibrugarh, 1975-79.

Prof. B.M. Das, Department of Anthropology, Gauhati University, Gauhati.

1163. Ghatage, V.A.
Dermatoglyphic features of two endogamous groups and their correlation with measured intelligence. Poona, 1974-79.

Dr. R.K. Mutatkar, Head, Department of Sociology and Anthropology, University of Poona, Pune.

1164. Satwanti.
Body fat in young Punjabi women. Delhi, 1974-79.

Prof. I.P.S. Monga, Head, Department of Anthropology, University of Delhi, Delhi.

Dr. Hari Bhardwaj, Lecturer, Department of Anthropology, University of Delhi, Delhi.

1165. Sushma.

A study of dermal ridge configurations and physical growth in mentally retarded boys and girls. Panjab, 1974-79.

Dr. V. Bhalla, Reader, Department of Anthropology, Panjab University, Chandigarh.

1166. Swinder Pal Singh.

Growth pattern from 4 to 20 years of male Rajput Gaddis : A Himalayan tribe. Punjabi, 1974-79.

Dr. L.S. Sidhu, Head, Department of Human Biology, Punjabi University, Patiala.

BIOLOGY

PHYSIOLOGY

Biophysics

1167. Chandrasekharan, K.
X-ray studies on biological molecules. Madras, 1973-79.

Prof. R. Srinivasan, Department of Biophysics and Crystallography, University of Madras, Madras.

1168. Ghosh, Sujata.
Biophysical studies on Vibrio choleras' DNA. Calcutta, 1979.

1169. Mitra, Alok Kumar.
Theoretical studies on peptide conformation. I.I.Sc., Bangalore, 1973-79.

Prof G.N. Ramachandran, Department of Molecular Biophysics, Indian Institute of Science, Bangalore.

1170. Nagarajan, M.
Theoretical studies on the conformation of glycosaminoglycans, heparin and heparan sulfate. I.I.Sc., Bangalore, 1973-79.

Prof. V.S.R. Rao, Head, Department of Molecular Biophysics, Indian Institute of Science, Bangalore.

1171. Raghavendra, K.
Physico-chemical and theoretical studies on polypeptide conformation: Studies on β-structures. I.I.Sc., Bangalore, 1974-79.

Prof. V. Sasisekharan, Department of Molecular Biophysics, Indian Institute of Science, Bangalore.

Prof. V.S. Ananthanarayanan, Department of Molecular Biophysics, Indian Institute of Science, Bangalore.

1172. Rama Prasad, S.
Theoretical, spectroscopic and crystallographic studies on peptide structures. I.I.Sc., Bangalore, 1974-79.

Prof. G.N. Ramachandran, Department of Molecular Biophysics, Indian Institute of Science, Bangalore.

1173. Sridhara, S.
Studies on conformational transitions : Helix-coil transition parameters for L-alanine and L-leucine in mixed organic solvent system. I.I.Sc., Bangalore, 1972-79.

Prof. V.S. Ananthanarayanan, Department of Molecular Biophysics, Indian Institute of Science, Bangalore.

1174. Srinivasa Rao.
Repair of radiation damage in diploid yeast. Bombay, 1976-78.

Dr. K.S. Korgaonkar, Cancer Research Institute, Parel, Bombay.

1175. Virudachalam, R.
Conformation of peptidoglycan and mode of penicillin action. I.I.Sc., Bangalore, 1973-79.

Prof. V.S.R. Rao, Head, Department of Molecular Biophysics, Indian Institute of Science, Bangalore.

Biochemistry

1176. Sharma, Kamini.
Studies in abiogenesis and biopoiesis. Allahabad (Chemistry) 1973-78.

Dr. Krishna Bahadur, Department of Chemistry, University of Allahabad, Allahabad.

1177. Upadhyaya, Geeta.
Cytological and histochemical studies of self sustaining coacervates. Allahabad (Chemistry) 1974-78.

Dr. (Smt.) S. Ranganayaki, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

Enzymes

1178. Biswas, Manika.
Synthesis and degradation of aminosugar metabolic enzymes in yeast. Jawaharlal Nehru, 1974-79.

Prof. Asis Datta, School of Life Sciences, Jawaharlal Nehru University, New Delhi.

1179. Jahagirdar, Lalita Venkateshrao.
Trace elements and their effect in their deficiency on amino acid catabolizing enzymes. Marathwada, 1979.

Prof. I. Vaishwanar, Head, Department of Biochemistry, Medical College, Aurangabad.

1180. Veeraswamy, M.
Studies on synephrinase from Arthrobacter synephrium. I.I.Sc., Bangalore, 1975-79.

Dr. P.V. Subba Rao, Asstt. Prof., Department of Biochemistry, Indian Institute of Science, Bangalore.

Vitamins

1181. Sarada, K.
Studies on the systemic mode of action of vitamin A. I.I.Sc., Bangalore, 1974-79.

Prof. J. Ganguly, Department of Biochemistry, Indian Institute of Science, Bangalore.

Biosynthesis

1182. Gangopadhyay, Subinay.
Eukaryotic synthesis of RNA in vivo and in vitro. Calcutta, 1978.

1183. Hosur, R.V.
Studies on structure and function of biomembranes. Bombay, 1975-78.

Dr. G. Govil, Tata Institute of Fundamental Research, Colaba, Bombay.

1184. Joshi, V.P.
Molecular basis of bacterial transference. Bombay, 1973-79.

Dr. N.K. Notany, Bhaoha Atomic Research Centre, Trombay, Bombay.

MARINE BIOLOGY

1185. Abdul Aziz, P.K.
Ecology of retting grounds in the backwater systems of Kerala. Kerala, 1978.

Prof. N. Balakrishnan Nair, Head, Department of Aquatic Biology and Fisheries, University of Kerala, Trivandrum.

1186. Anand, Vijay Kumar.
Limnology of Gadigarh stream (Miran Sahib, Jammu) with special reference to producers inhabiting the stream. Jammu, 1973-78.

Prof. Y.R. Malhotra, Head, Department of Bio-Sciences, University of Jammu, Jammu.

Dr. A.K. Koul, Reader, Department of Botany, University of Jammu, Jammu.

1187. Devendran, K.
Studies in arylsulphate activity of marine sediments. Annamalai, 1973-78.

Dr. R. Natarajan, Director, Centre for Advanced Studies in Marine Biology, Porto Novo.

1188. Dutta, Sunt Pall Singh.
Limnology of Gadigarh Stream (Miran Sahib, Jammu)

with special reference to consumers inhabiting the stream. Jammu, 1973-78.

Prof. Y.R. Malhotra, Head, Department of Bio-Sciences, University of Jammu, Jammu.

1189. Sankaranarayanan, V.N.
Some physical and chemical studies on the waters of the Northern Arabian Sea. Kerala, 1965-79.

Dr. V.V.R. Varadachari, Deputy Director, National Institute of Oceanography, Dona Paula, Goa.

1190. Swamy, K. Lakshmanaperumal.
Ecology and systematics of analognestic streptomycates in the marine environment at Porto Novo. Annamalai, 1973-79.

Dr. R. Natarajan, Director, Centre for Advanced Studies in Marine Biology, Porto Novo.

Marine Plants

1191. Ramadoss, V.
Studies on phytoplankton, nutrients and some trace elements in Porto Novo waters. Annamalai, 1972-78.

Prof. V.K. Venugopalan, Centre for Advanced Studies in Marine Biology, Porto Novo.

Marine Zoology

1192. Annapurna, C.
Systematics and ecology of benthic ostracodes inhabiting coastal bodies of water on the east coast of India. Andhra, 1979.

Dr. D.V. Rama Sarma, Reader, Department of Zoology, Andhra University, Waltair.

1193. Devadoss, P.
Studies on the elasmobranchs of Porto Novo Coast, South India. Annamalai, 1972-78.

Dr. R. Natarajan, Director, Centre for Advanced Studies in Marine Biology, Porto Novo.

1194. Devaraj, M.
Biology of the fishery for the seer fishes in India. Madurai, 1978.

Dr. R.V. Nair, Emeritus Scientist, The Aquarium, Trivandrum.

1195. Fernando, Antony S.
Studies on the biology of barnacles (Crustacea : Cirripedia) of Porto Novo Region. Annamalai, 1969-79.

Prof. K. Ramamurthy, Department of Marine Biology, Annamalai University, Annamalainagar.

1196. Gopinatha Menon, N.
Studies on the biology and fishery of the giant marine cat fish, Tachysurus (Ruppell). Cochin, 1971-79.

Dr. P.V. Ramachandran Nair, Department of Marine Sciences, University of Cochin, Cochin.

1197. Hari Pada.
Study on the grey mullet, Mugil cephalus Linnaeus from the Goa waters. Bombay, 1975-79.

Dr. S.Z. Quasim, National Institute of Oceanography, Dona Paula, Goa.

1198. Khan, Ajmal S.
Studies in hermit crabs of Porto Novo. Annamalai, 1973-79.

Dr. R. Natarajan, Director, Centre for Advanced Studies in Marine Biology, Porto Novo.

1199. Kuttyamma, V.J.
Studies on the common penacid prawns of the Kerala Coast. Cochin, 1973-79.

Prof. C.V. Kurian, Head, Department of Marine Sciences, University of Cochin, Cochin.

1200. Mathew, Kuruvilla.
Studies on a sea anemone, Anthopleura nigrescens (Verril) from the South West Coast of India. Cochin, 1967-78.

Prof. C.V. Kurian, Head, Department of Marine Sciences, University of Cochin, Cochin.

1201. Mohan, R. Samuel Lal.
Studies on the fishes of the family Sciaenidae of India. Madurai, 1970-78.

Dr. R.V. Nair, Emeritus Scientist, The Aquarium, Trivandrum.

1202. Nimavat, D.M.
Biological and biochemical studies of some edible oysters of Saurashtra Coast. Saurashtra, 1973-78.

Dr. K.M. Desai, Reader, Department of Bio-Sciences, South Gujarat University, Surat.

1203. Raje, Prakash Chandrashekhar.
Studies on behaviour and physiology of the Metapenaeus affinis (Milne-Edwards). Shivaji, 1976-78.

Dr. M.R. Ranade, Director, Marine Biological Research Station, Ratnagiri.

1204. Ramanathan, R.
Studies in flat fishes of Porto Novo waters (Pisces : Pecurenetiformes). Annamalai, 1973-78.

Dr. R. Natarajan, Director, Centre for Advanced Studies in Marine Biology, Porto Novo.

1205. Rama Seshiah, Movva.
Biometric and biochemical studies on the anabantid fishes, Anabas testudineus (Bloch, 1795) and A. oligolepis (Bleeker, 1885) from Lake Kollerru in Andhra Pradesh. Andhra, 1979.

Prof. S. Dutt, Head, Department of Marine Sciences, Andhra University, Waltair.

1206. Seshagiri Rao, Buddhiraju Venkata.
Systematic studies on three genera of clupeoid fishes from Indian waters and biometric comparison of stocks of three species from two localities. Andhra, 1979.

Prof. S. Dutt, Head, Department of Marine Sciences, Andhra University, Waltair.

1207. Shanbhogue, S.L.
Studies on the stomatopods from the seas around India. Bombay, 1967-78.

Dr. S. Jones, Central Marine Fisheries Research Substation, Botawala Chambers, Sir P.M. Road, Bombay.

1208. Sharma, Giriraju Veerabhadra.
Taxonomic studies on the fresh water cat fishes of Guntur District in Andhra Pradesh and some aspects of the biology of Mystus cavasius (Hamilton, Buchanan, 1822). Andhra, 1979.

Prof. S. Dutt, Head, Department of Marine Sciences, Andhra University, Waltair.

1209. Srikrishnadas, B.
Studies on polychaete larvae of Porto Novo waters, South India. Annamalai, 1972-78.

Dr. K. Ramamurthi, Reader, Centre for Advanced Studies in Marine Biology, Porto Novo.

MICROBIOLOGY

Physiology

1210. Dandekar, Satyaprabha.
Regulation of carotenogenesis in Blakeslea trispora. Baroda, 1976-79.

Prof. V.V. Modi, Head, Department of Microbiology, M.S. University of Baroda, Baroda.

1211. Masood Ahmad.
Thermal inactivation of Escheric hia coli K-12 and bacteriophage lambda at 52°C and recovery. Aligarh (Chemsitry) 1973-79.

Dr. M. Saleemuddin, Reader, Department of Chemistry, Aligarh Muslim University, Aligarh.

1212. Prabhakar Rao, Santhapuri.
An analysis o' the purple purine and sulphur amino acid dependent yeast, Torulopsis bovina. Osmania, 1979.

Dr. H. Polase, Department of Microbiology, Osmania University, Hyderabad.

1213. Singh, Bal Raj.
Aspects of N-acetyl-D-glucosamine transport and metabolism in yeast. Jawaharlal Nehru, 1974-78.

Prof. Asis Datta, School of Life Sciences, Jawaharlal Nehru University, New Delhi.

Biochemistry

1214. Bagchi, Srilata.
Studies on yeast lipids. Calcutta, 1978.

1215. Jagadeeswaran, P.
Studies on primary and secondary structures of 5s RNA from Mycobacterium smegmatis. I.I.Sc., Bangalore, 1974-78.

Prof. J.D. Cherayil, Department of Biochemistry, Indian Institute of Science, Bangalore.

1216. Sagar, I. Karuna.
Influences of certain metallic ions on Vibrio cholerae strains. Mysore, 1979.

1217. Shah, A.C.
Studies on chemical transformation by micro-organisms. Bombay, 1973-78.

Dr. D.V. Tamhane, Reader, Department of Chemical Technology, University of Bombay, Bombay.

1218. Shantha, T.
Studies on some toxic metabolites of Aspergillus. Mysore, 1979.

1219. Wali, Anupam Somnath.
Biochemical studies on some thermophilic fungi. Baroda, 1974-78.

Dr. A.K. Mattoo, Lecturer, Department of Microbiology, M.S. University of Baroda, Baroda.

—*Enzymes*

1220. Chopde, A.J.
Glucoamylase from Aspergillus niger A. 76. Bombay, 1976-78.

Dr. S.A. Dhalla, M.M. College of Arts and N. Institute of Science (Bhawan's College), Andheri, Bombay.

1221. D'Souza, S F.
Immobilized multienzyme complex containing invertase, glucose oxidase and catalase by enrichment of yeast cells. Bombay, 1975-79.

Dr. G.B. Nadkarni, Bhabha Atomic Research Centre, Trombay, Bombay.

1222. Shrivastava, Ranjana.
Studies on a RNA polymerase mutant of Escherichia coli K-12. Kanpur, 1978.

1223. Singh, N.K.
Genetic control of arylsulphatases in Aspergillus nidulans. Bombay, 1976-79.

Dr. O. Siddiqui, Tata Institute of Fundamental Research, Colaba, Bombay.

1224. Thomas, George V.
Studies on synthesis and immobilization of Kulyveromyces fragilis B-galactosidase. Punjab Agrl., 1975-78.

Prof. M.S. Kalra, Head, Department of Microbiology, Punjab Agricultural University, Ludhiana.

—Biosynthesis

1225. Ambudkar, Suresh V.
Biosynthesis of electron transfer components in microorganisms. Madurai, 1974-78.

Prof. J. Jayaraman, School of Biological Sciences, Madurai Kamaraj University, Madurai.

Genetics

1226. Dandekar, Abhaya Meghasyam.
Studies on the genetics of Rhizobium japonicum. Baroda, 1975-79.

Prof. V.V. Modi, Head, Department of Microbiology, M.S. University of Baroda, Baroda.

Economic Microbiology

Beneficial Microorganisms

1227. D'Souza, Z.M.
Studies on the role of microorganisms in the recycling of an agricultural waste towards improvement of soil fertility. Bombay, 1976-78.

Dr. (Miss) Y.M. Fretas, St. Xavier's College, Bombay.

1228. Satyanarayana, Tulsi.
Thermophilic microorganisms and their role in composting process. Saugar, 1979.

Dr. B.N. Johri, Department of Botany, University of Saugar, Sagar.

Deleterious Microorganisms

1229. Manohar, Vijaya.
Studies on microbiological and immunological aspects of superficial mycoses. I.I.Sc., Bangalore, 1974-78.

Dr. G. Ramananda Rao, Asstt. Prof., Microbiology and Cell Biology Laboratory, Indian Institute of Science, Bangalore.

1230. Narayana Rao, N.
Studies on the postharvest physiology and spoilage of mango. Baroda, 1973-79.

Prof. V.V. Modi, Head, Department of Microbiology, M.S. University of Baroda, Baroda.

1231. Padbidri, V.S.
Epidemiological aspects of Indian tick typhus. Poona, 1975-79.

Dr. R.N. Shukla, 21, Malviya Nagar, Bhopal.

1232. Rale, V.B.
Studies on yeasts of some tropical fruits. Poona, 1974-79.

Dr. J.R. Vakil, "Geet Govind", 796, Bhandarkar Institute Road, Pune.

1233. Savant, S.S.
Microbial degradation of plastic materials. Bombay, 1973-79.

Dr. D.V. Tamhane, Reader, Department of Chemical Technology, University of Bombay, Bombay.

1234. Shukla, K.A.
Comparative studies on food and fodder yeasts of indigenous origin. Bombay, 1975-78.

Dr. J.R. Vakil, "Geet Govind", 796, Bhandarkar Institute Road, Pune.

Virology

1235. Bhonde, R R.
Application of organ culture system for virological studies. Poona, 1975-79.

Dr. U.V. Wagh, National Institute of Virology, 20-A, Ambedkar Road, Pune.

BOTANY

1236. Agarwal, Vishnu Saran.
Perspectives in botanical museums with special emphasis to India. Calcutta, 1978.

Physiology

1237. Patel, Naranbhai Ranchhodbhai.
Physiological studies of certain varieties of wheat. Gujarat Agrl., 1978.

Dr. C.B. Shah, Dean, Post Graduate Studies, B.A. College of Agriculture, Anand.

1238. Shamshery, Rashmi.
Studies on some physiological aspects of seed deterioration. Meerut, 1979.

Dr. D. Banerjee, Reader, Department of Plant Sciences, Institute of Advanced Studies, Meerut University, Meerut.

Nutrition

1239. Arif Inam.
Mineral nutrition of triticale. Aligarh, 1975-78.

Dr. Samiullah, Lecturer, Department of Botany, Aligarh Muslim University, Aligarh.

1240. Rao, G.S.C.
Studies of manganese nutrition of sugarcane plant. Kanpur, 1979.

Dr. A.P. Gupta.

1241. Seshadrinathan, A.R.
Studies on growth and nutrient uptake by Gossypium barbadense L. cottons in India Kerala, 1969-78.

Dr. J.G. Bhatt, Plant Physiologist, Central Institute of Cotton Research, Regional Station, Coimbatore.

1242. Wasiuddin.
Studies on the mineral nutrition of some Indian medicinal plants. Aligarh, 1965-78.

Prof. M.M.R.K. Afridi, Head, Department of Botany, Aligarh Muslim University, Aligarh.

Metabolism

1243. Chaturvedi, Ghanshyam.
Role of micro elements in plant metabolism. Allahabad, 1966-79.

Dr. Amar Singh, Reader, Department of Botany, University of Allahabad, Allahabad.

1244. Janardhan, K.V.
Studies on carbon assimilation in rice, Oryza sativa L. Utkal, 1978.

Dr. K.S. Murty, Head, Division of Physiology, Central Rice Research Institute, Cuttack.

1245. Mohanty, Ratnakar.
Metabolic studies on some members of the Gymnoascaceae Utkal, 1978.

Prof. (Mrs.) G.R. Ghosh, Head, Department of Science, Regional College of Education, Bhubaneswar.

1246. Patel, Kamleshkumar Ranchhodlal.
Histochemical studies on effects of some growth regulators on nucleic acids, proteins, ascorbic acid and enzyme metabolism. Gujarat, 1970-78.

Dr. C.K. Shah, Head, Department of Botany, Gujarat University, Ahmedabad.

1247. Sahai, Ganga.
Studies in the metabolism of certain plants. Allahabad, 1966-79.

Dr. Niranjan Das, Reader, Department of Botany, University of Allahabad, Allahabad.

1248. Sindhu, Ram Kumar.
Studies on polyamine metabolism in germinating groundnut seeds. Baroda, 1974-78.

Dr. S.K. Srivastava, Reader, Department of Biochemistry, M.S. University of Baroda, Baroda.

1249. Singh, Krishna Kumar.
Role of growth regulating substances on plant metabolism. Allahabad, 1975-78.

Dr. Amar Singh, Reader, Department of Botany, University of Allahabad, Allahabad.

1250. Surendranathan, K.K.
Regulation of metabolic pathways in gamma irradiated preclimateric banana. Bombay, 1976-79.

Dr. P.M. Nair, Bhabha Atomic Research Centre, Trombay, Bombay.

—*Photosynthesis*

1251. Prabhakar Naidu, C.S.
Physiological studies in gymnosperms with special reference to photosynthesis. Venkateswara, 1971-78.

Dr. K. Ramalingeswara Rao, Reader, Department of Botany, S.V.U. College of Arts and Sciences, Tirupati.

1252. Sadagathullah, A. Habib Mohamed.
Regulatory effects of ammonium ions on the photosynthetic carbon flow system. Madurai, 1973-78.

Prof. A. Gnanam, School of Biological Sciences, Madurai Kamaraj University, Madurai.

Genetics

1253. Bhattacharyya, Dipasri.
A study of the chromosomal and associated changes

in the evolution of some species propagating principally through vegetative means with special reference to those induced by physical agents. Calcutta, 1979.

1254. Choudhary, Srimanta Kumar.
Genetic diversity and association of yield and its components in mungbean, Vigna radiata var. aureus Linn. Wilczek. Patna, 1979.

Prof. R.P. Roy, Head, Department of Botany, Patna University, Patna.

1255. Dhagat, Narendra Kumar.
Study of variability interrelationship and genetic diversity in Paspalum scrobiculatum L. Jabalpur, 1974-79.

Prof. S.P. Singh, Head, Department of Plant Breeding and Genetics, College of Agriculture, Jabalpur.

Dr. G.P. Agarwal, Reader, Department of Botany, University of Jabalpur, Jabalpur.

1256. Gautam, Naresh Chandra.
Studies on heterosis and combining ability in American cotton, Gossypium hirsutum L. by line X tester methods. Agra, 1978.

Dr. S.N. Chaturvedi, Department of Botany, R.B.S. College, Agra.

1257. Jain, Shri Mohan.
In vitro production of haploids in higher plants. Jawaharlal Nehru, 1972-78.

Dr. Sipra Guha Mukherjee, Assoc. Prof., School of Life Sciences, Jawaharlal Nehru University, New Delhi.

1258. Kanchan, Sukhada D.
Agrophysiological impact of the allelopathic influence of Parthenium hysterophorus L. Bangalore, 1974-79.

Dr. Jayachandra, Lecturer, Department of Botany, Bangalore University, Bangalore.

1259. Lal, Shridhar.
Studies on genetic variability, heterosis and combining ability in strawberry, Fragaria ananassa Duch. Kanpur, 1979.

Dr. Jitendra Nath Seth, Government Hill Fruit Research Station, Chaubatia, Distt. Almora.

*1260. Sadhu, Debiprasad.
Genetical studies on root-types. Burdwan, 1972-79.

Dr. Param Nath Bhaduri, P-1/142, P.O. Kalyani, Distt. Nadia.

1261. Sen, P.
Trisomic analysis in rice, Oryza sativa L. Utkal, 1978.

Dr. R.N. Misra, Cytogeneticist, Central Rice Research Institute, Cuttack.

1262. Shrivastava, Mahadeo Prasad.
Genetic divergence in redgram, Cajanus cajan (L). Jabalpur, 1975-78.

Dr. Laxman Singh, Asstt. Prof., Department of Botany, Jawahar lal Nehru Krishi Vishwavidyalaya, Jabalpur.

1263. Singh, Mahavir.
Studies on the mode of action of p-fluorophenylalanine and chloral hydrate induced haploidization in Aspergillus nidulans. Delhi, 1973-79.

Dr. Uma Kant Sinha, Reader, Department of Botany, University of Delhi, Delhi.

1264. Singh, Neelam.
Genetical studies in linseed, Linum usitatissimum Linn. Jabalpur, 1974-79.

Dr. G.P. Agarwal, Head, Department of Botany, University of Jabalpur, Jabalpur.

1265. Sinha, Balai Chandra.
Genetical investigation in barley. Patna, 1979.

Prof. R.P. Roy, Head, Department of Botany, Patna University, Patna.

1266. Solomon, Sunil.
Heterosis and combining ability analysis for selection of inbreds and testers in the development of synthetic varieties in Pennisetum typhoides S & H. Agra, 1978.

Dr. M. Ahluwalia, Division of Genetics, Indian Agricultural Research Institute, New Delhi.

1267. Syed Yousuf Anwar.
Genetic and biochemical studies of certain euploids of O. sativa L. Osmania, 1978.

Prof. G.M. Reddy, Department of Genetics, Osmania University, Hyderabad.

1268. Tembhurnikar, Shrirang Tilu.
Genetics of disease resistance to bacterial blight disease of rice. Marathwada, 1978.

Dr. S.Y. Padmanabhan, Assam Agricultural University, Jorhat.

1269. Tomar, Gajendra Singh.
Genetical studies in gram, Cicer arietinum L. Vikram, 1974-78.

Dr. Chandrika Thakur.

1270. Vaidyanath, K.
Genetic and biochemical studies on some wild and cultivated species of genus Oryza. Osmania, 1978.

Prof. G.M. Reddy, Department of Genetics, Osmania University, Hyderabad.

1271. Vaishnav, Pankaj Pradhumanrai.
Physiology of dwarfism in plants. Gujarat, 1979.

Late Prof. I.I. Chinoy.

1272. Veerabhadra Rao, Saripalli.
Studies on the crossability relationships of some spinous Solanums. Andhra, 1978.

Dr. B.G. Srinivasa Rao, Reader, Department of Botany, Andhra University, Waltair.

1273. Visht, Sardar Singh.
Studies on the genetic architecture of original and reconstituted populations of Jl and Cuba 11 J through reciprocal recurrent selection in Zea mays L. Panjab, 1970-79.

Prof. Joginder Singh, Project Coordinator, Coordinated Maize Improvement Scheme, Cummings Laboratory, Indian Agricultural Research Institute, New Delhi.

—*Mutations*

1274. Farook, Sardar Abul Fazal.
Mutagenic studies in Cicer arietinum L. Osmania, 1979.

Prof. Jafer Nizam, Head, Department of Botany, Osmania University, Hyderabad.

1275. Gangadharan, C.
Studies on induced mutation in rice, Oryza sativa L. Utkal, 1979.

Dr. R.N. Misra, Cytogeneticist, Central Rice Research Institute, Cuttack.

1276. Ghosh, Parthadeb.
Induced mutation and tissue culture in certain legumes. Calcutta, 1979.

1277. Kok, Shiban Nath.
Induced mutagenesis in some of the species of genus Mentha. Jammu, 1974-79.

Dr. B.L. Kaul, Scientist, Regional Research Laboratory, Jammu.

1278. Kothekar, Vijay Shridhar.
Mutational studies in Solanum nigrum L. Nagpur, 1976-79.

Prof. V.R. Dnyansagar, Head, Department of Botany, Nagpur University, Nagpur.

1279. Kumar, P.
Experimental mutagenesis and karyomorphological studies in Nigella sativa L. Osmania, 1979.

Prof. Jafer Nizam, Head, Department of Botany, Osmania University, Hyderabad.

1280. Rama Devi, K.
Studies on the effects of mutagenic agents on Cosmarium imperssulum Elfv. Osmania, 1979.

Prof. Jafer Nizam, Head, Department of Botany, Osmania University, Hyderabad.

1281. Sabiha Anjum.
Mutagenic and karyological studies in certain members of compositae. Osmania, 1979.

Prof. Jafer Nizam, Head, Department of Botany, Osmania University, Hyderabad.

*1282. Sarkar, Hemendra Kumar.
Study of macro and micro-mutations in wheat, Triticum species induced by X-rays and chemical mutagens. Burdwan, 1972-78.

Dr. Param Nath Bhaduri, P-1/142, P.O. Kalyani, Distt. Nadia.

1283. Vilasini, G.
Mutagenic studies in Lathyrus sativus (L). Osmania, 1979.

Prof. Jafer Nizam, Head, Department of Botany, Osmania University, Hyderabad.

Reproduction

1284. Bajpai, Usha.
Morphological, developmental and ultrastructural studies on fern gametophytes. Lucknow, 1972-78.

Prof. B.S. Trivedi, Department of Botany, University of Lucknow, Lucknow.

1285. Katiyar, Raj Kishore.
Effects of specific systems of mating on the yield components in Brassica campestris var. brown, sarson. Agra, 1978.

Dr. V. Arunachalam, Indian Agricultural Research Institute, New Delhi.

1286. Panneerselvum, S.
Hormonal regulation of tuberisation and production of organs of perennation. Annamalai, 1973-79.

Ex.-Prof. K. Rangaswami Ayyanagar.

1287. Singh, Prabhu Dayal.
Studies on the differentiation and development of male gametophyte in the species of Vitis and Zizyphus. Kanpur, 1979.

Histogenesis

1288. Gupta, Madan Gopal.
Studies on the occasional variability in morphogenesis of reproductive structures in Varbesina encelioids. Rajasthan, 1972-78.

Dr. S. Mishra, Lecturer, Department of Botany, University of Rajasthan, Jaipur.

1289. Megha, Bhavna Manubhai.
Metabolic aspects of growth and differentiation in plants. Gujarat, 1973-79.

Dr. M.M. Laloraya, Department of Botany, Gujarat University, Ahmedabad.

1290. Somasudaram, T.
Mitochondriogenesis : Studies with synchronous yeast. Madurai, 1974-79.

Prof. J. Jayaraman, School of Biological Sciences, Madurai Kamaraj University, Madurai.

1291. Sreekumari, S.B.
Histochemistry of seed germination : Morphogenetic studies on the mesocotyl of some monocotyledons. Gujarat, 1979.

Dr. C.K. Shah, Head, Department of Botany, Gujarat University, Ahmedabad.

Response to Stimuli

1292. Pandey, Sachchida Nand.
Effects of coal-smoke and sulphur dioxide pollution on plants. Banaras, 1976-79.

Dr. D.N. Rao, Reader, Department of Botany, Banaras Hindu University, Varanasi.

1293. Patowary, Pabitra Kumar.
Factors affecting the response of weeds to certain chemicals. Gauhati, 1974-78.

Dr. C.L. Boishya, Reader, Department of Botany, Gauhati University, Gauhati.

1294. Rajendra Prasad.
Water stress and plant responses. Allahabad, 1976-79.

Dr. P.N. Singh, Lecturer, Department of Botany, University of Allahabad, Allahabad.

1295. Veeranjaneyulu, K.
Mechanism of heat tolerance in some plants. Venkateswara, 1974-79.

Prof. V.S. Rama Das, School of Life Sciences, University of Hyderabad, Hyderabad.

Biophysics

1296. Ajmani, Manju.
Application of electrophoretic techniques in the assessment of genetic variants of human haemoglobin and chromosome inter-relationship in certain plant taxa. Calcutta, 1979.

1297. Bhattacharjee, Rajarshi.
Electro-osmotic properties of plant cells. Gauhati, 1971-78.

Dr. H.K. Barua, Lecturer, Department of Botany, Gauhati University, Gauhati.

1298. Kavi, Pandurang Shriniwas.
Investigations of certain physical and biological properties of seed material and on the changes in them due to pregermination magnetic field treatment. Shivaji (Physics) 1972-79.

Dr. K.L. Narayan, Reader, Department of Physics, Shivaji University, Kolhapur.

1299. Paralikar, K.M.
Morphology and structural factors of cellulosic substrates that influence action of cellulase enzyme. Bombay, 1975-78.

Dr. S.M. Betrabet, Cotton Technological Research Laboratory, Matunga, Bombay.

1300. Raychaudhuri, Arati.
Analysis of human genetic polymorphism following electrophoretic techniques and use of auto-effects on chromosomes of Vicia faba. Calcutta, 1978.

Biochemistry

1301. Bhatt, Krishna Chandrashankar.
Biochemical parameters in dwarfism and productivity of plants. Gujarat, 1974-78.

Late Prof. I.I. Chinoy.

1302. Chavan, J.D.
Nutritive value of hybrid varieties of rice. Bombay, 1974-79.

Dr. N.G. Magar, Institute of Science, Fort, Bombay.

1303. Cletum, J.M. Somya.
Structural and biological properties of sesame oil polymer. Mysore, 1979.

1304. Datta, Subhaschandra.
Biochemical studies on citreoviridin. Calcutta, 1979.

1305. Davidson, Shashi Neena.
Studies on seed protein of some leguminous plants. Gorakhpur, 1979.

1306. Gopalam, Aradhyula.
Biochemical transformations during maturation and flue curing of tobacco. Andhra, 1978.

Dr. N.C. Gopalachari, Department of Biochemistry, Andhra University, Waltair.

1307. Jasdanwala, Rubab Taherali.
Biochemical and physiological studies of cotton plant. Gujarat, 1973-78.

Late Prof. I.I. Chinoy.

1308. Kohli, Ravinder Kumar.
Studies on the physiological and biochemical changes associated with floral induction in Amaranthus. Guru Nanak, 1979.

Dr. S. Sawhney, Lecturer, Department of Biology, Guru Nanak Dev University, Amritsar.

1309. Kohli, Uma.
Preparation, chemical composition and biological values of protein isolates of Ramdana seeds. Allahabad, 1965-78.

Dr. (Mrs.) Radha Pant, Head, Department of Biochemistry and Home Science, University of Allahabad, Allahabad.

1310. Krishnaswamy, Lakshmi.
Phytochemical investigations on seeds of Rhynchosia minima (Linn.) DC. Delhi, 1974-79.

Dr. N.S. Rangaswamy, Reader, Centre of Advanced Study in Botany, University of Delhi, Delhi.

Dr. H.G. Krishnamurty, Department of Botany, University of Delhi, Delhi.

1311. Maliwal, Badri Prasad.
Factors affecting the quality of extracted leaf proteins. Mysore, 1978.

1312. Mohinder Pal.
Physiological and biochemical effects of seasonal changes in stem cuttings in relation to rooting. Panjab, 1972-78.

Prof. K.K. Nanda, Department of Botany, Panjab University, Chandigarh.

1313. Shrivastava, Santoshkumar.
To study the effect of molybdenum 2,3,5-triiodobenzoic and α-naphthalene acetic acid in breaking the physiological barriers of productivity in Cicer arietinum L. Jabalpur, 1974-78.

Prof. D.K. Tiwari, Department of Botany, College of Agriculture, Jabalpur.

Dr. S.K. Hasija, Department of Botany, Govt. Science College, Jabalpur.

1314. Singh, Sheo Shankar.
Nucleic acids in angiosperm parasites. Lucknow, 1979.

Prof. G.G. Sanwal, Department of Biochemistry, University of Lucknow, Lucknow.

1315. Wankhade, D.B.
Studies on carbohydrates of oil seeds, particularly groundnut and sesame and enzymes degrading these carbohydrates. Mysore, 1979.

—*Enzymes*

1316. Agrawal, Kamini.
Chemistry of action of glyceraldehyde-3-phosphate dehydrogenase of spinach leaves. Banaras, 1973-79.

Prof. O.P. Malhotra, Department of Chemistry, Banaras Hindu University, Varanasi.

1317. Bajjal, Madhulika.
Studies on plant hexokinases. Lucknow, 1969-78.

Prof. G.G. Sanwal, Department of Biochemistry, University of Lucknow, Lucknow.

1318. Janaki, S.
Studies on the regulation of nitrate reductase in Spirodela oligorrhiza and excised leaves of wheat, Triticum aestivum. Jawaharlal Nehru, 1973-78.

Dr. S.K. Sopory, Asstt. Prof., School of Life Sciences, Jawaharlal Nehru University, New Delhi.

1319. Mishra, Jayandra Kumar.
Biochemical studies on some botryodiplodia rots with special reference to cell wall degrading enzymes. Saugar, 1979.

Dr. K.M. Vyas. Reader, Department of Botany, University of Saugar, Sagar.

1320. Seethalakshmi, S.
Studies on glutamine synthetase from Phaseolus aureus (mung bean) seedings: Purification, kinetic and regulatory properties of the enzyme. I.I.Sc., Bangalore, 1973-79.

Prof. N. Appaji Rao, Department of Biochemistry, Indian Institute of Science, Bangalore.

1321. Srivastava, Pramod Kumar.
Kinetics and regulatory role of isocitrate lyase of castor endosperm. Banaras, 1973-79.

Prof. O.P. Malhotra, Department of Chemistry, Banaras Hindu University, Varanasi.

1322. Talwar, Sunita.
Studies on gibberellin induced enzyme release in barley seeds. Jawaharlal Nehru, 1972-79.

Dr. (Mrs.) Sipra Guha Mukherjee, Assoc. Prof., School of Life Sciences, Jawaharlal Nehru University, New Delhi.

—*Biosynthesis*

1323. Gupta, Anil Kumar.
Studies on glucofructosans biosynthesis in Fusarium oxysporum and role of invertase in this process. Punjab Agrl., 1974-78.

Prof. I.S. Bhatia, Head, Department of Biochemistry, Punjab Agricultural University, Ludhiana.

1324. Indira, G.M.
Studies on the synthesis of messenger ribonucleic acids and their products during chloroplast differentiation. Madurai, 1973-78.

Prof. A. Gnanam, School of Biological Sciences, Madurai Kamaraj University, Madurai.

1325. Sharma, Girdhari Lal.
Biosynthesis of primary and secondary products from the in vitro plant tissue cultures. Rajasthan, 1974-78.

Dr. (Miss) P. Khanna, Reader, Department of Botany, University of Rajasthan, Jaipur.

Pathology

1326. Arora, Rewa.
Post harvest decay control of citrus fruits. Kanpur, 1978.

1327. Banerjee, Kalpana.
Study of leaf surface microflora of groundnut in relation to tikka disease. Vikram, 1974-78.

Dr. O.P. Mall, Department of Botany, Science College, Ujjain.

1328. Mansoor Alam.
Studies on blight disease of *Cymbopogon winterianus* Jowett and its control. Aligarh, 1974-78.

Prof. Abrar M. Khan. Department of Botany, Aligarh Muslim University, Aligarh.

1329. Nagar, Mohan Lal.
Mutual relationship of a strong and a weak pathogen infecting maize, Zea mays L. Vikram, 1976-79.

Dr. S.K. Chouhan, Reader, Department of Botany, Vikram University, Ujjain.

1330. Sharma, Banwari Lal.
Phytopathological studies on storage diseases of potatoes. Jiwaji, 1975-79.

Dr. R.K.S. Chauhan, Reader, Department of Botany, Jiwaji University, Gwalior.

1331. Thakur, Jitender Singh.
Crop weed competition in two varieties of paddy. Ravishankar, 1978.

Dr. M.F.K. Khokhar, Department of Biology, Govt. Degree College, Ambikapur.

Bacterial Diseases

1332. Jagdish Prasad.
Studies on bacteria and fungi of the phyllosphere of most important field crops of Allahabad, U.P. Allahabad, 1972-78.

Dr. J.C. Edward, Head, Department of Biology, Allahabad Agricultural Institute, Naini, Allahabad.

1333. Jasbir Kaur.
Studies on bacterial blight of paddy. Kurukshetra, 1974-79.

Prof. R.S. Mehrotra, Head, Department of Botany, Kurukshetra University, Kurukshetra.

1334. Aggarwal, Usha Lata.
Host factors in the physiology of soft rot disease of citrus fruits. Ravishankar, 1973.

Dr. J.S. Kachwaha, Department of Botany, Govt. Girls Degree College, Raipur.

1335. Agrawal, Jag Mohan.
Studies on the mechanism of parasitism and resistance in Fusarium wilt of coriander, Coriandrum sativum L. Rajasthan, 1969-78.

Dr. R.L. Mathur, Research Laboratory, Durgapura.

1336. Badami, Ashok R.
Histopathological aspects of Fusarium wilt syndrome in cotton. Madras, 1974-79.

Prof. D. Subramanian, Centre for Advanced Studies in Botany, University of Madras, Madras.

1337. Batra, Sajani.
Studies on Phoma sp. causing rot of tomato fruits. Jabalpur, 1973-79.

Dr. S.K. Hasija, Department of Botany, Govt. Science College, Jabalpur.

1338. Dhawan, Shashi.
Physiopathological studies in Sclerotinia white rot of Brassica juncea. Lucknow, 1972-78.

Prof. J.N. Rai, Department of Botany, University of Lucknow, Lucknow.

1339. Gupta, Gopal Sharan.
Rhizosphere mycoflora of Oryza sativa L. and of its associated weed Ischaemum rugosm Salish Morara. Magadh, 1973-79.

Dr. K.B. Mishra, Lecturer, Department of Botany, Magadh University, Bodh-Gaya.

1340. Kumar, P.
Studies on plant parasitic fungi of Gorakhpur. Gorakhpur, 1979.

1341. Misra, Nisha.
Study of fungi causing deterioration of food stuffs in storage. Gorakhpur, 1979.

1342. Narayan, Naresh.
Fungi associated with senaxent and recently dead shoots of some graminaceous field crop plants. Magadh, 1974-78.

Dr. A.S. Yadav, Vice-Chancellor. N.D. University of Agriculture and Technology, Faizabad.

1343. Pareek, Ramesh Chand.
Studies in host-parasite relationship, epidemiology and control aspects of leaf spot of bajra, Pennisetum typhoides Stapf and Hubb. caused by Curvularia penniseti Mitra Boedijn in Rajasthan. Rajasthan, 1972-78.

Dr. B.C. Arya, Department of Botany, University of Rajasthan, Jaipur.

1344. Prithpal Kaur.
Control of helminthosporiose of rice through soil amelioration. Utkal, 1978.

Dr. S.Y. Padmanabhan, Assam Agricultural University, Jorhat.

1345. Srivastav, Kunwarji.
Studies on some soil fungi of Deoria, U.P. Gorakhpur, 1979.

1346. Srivastava, Yugal Naresh.
Taxonomic studies on some plant parasitic fungi of Gorakhpur. Gorakhpur, 1979.

1347. Veeraraghavan, J.
Studies on the nature of resistance in rice to Pyricularia oryzae Cav. Utkal, 1978.

Dr. S.Y. Padmanabhan, Assam Agricultural University, Jorhat.

1348. Vijendra Nath.
Studies on some fungi imperfecti causing leaf spots with special reference to genus Cercospora Fres. Gorakhpur, 1979.

1349. Vijendra Rao, R.
Anatomical studies and natural durability of certain commercial heartwoods against wood rot fungi. Andhra, 1979.

Prof B.S.S Rao, Department of Botany, Andhra University, Waltair.

Diseases due to Parasitic Animals

1350. Baghel, Prem Prakash Singh.
Studies on population densities, vertical distribution and seasonal fluctuations of plant parasitic nematodes associated with some important fruit crops of Allahabad. Allahabad, 1974-79.

Dr. J.C. Edward, Head, Department of Biology, Allahabad Agricultural Institute, Naini, Allahabad.

1351. Bhatnagar, Anil.
Studies on histopathology, histochemistry, ecology and control of nematode, Meloidogyne incognita Chitwood, causing root galls in Abelmoschus esculentus Moench. Rajasthan, 1976-78.

Prof. B. Tyagi, Department of Botany, University of Rajasthan, Jaipur.

1352. Mukerjee, Tapan Kumar.
Studies in modes of infection and control measures for root knot nematode, Meloidogyne incognita Chitwood in some cucurbitaceous plants. Rajasthan, 1975-78.

Prof. B. Tyagi, Department of Botany, University of Rajasthan, Jaipur.

1353. Agarwal, Devendra Kumar.
Studies on the inhibitors from plants inducing resistance against viruses. Lucknow, 1969-78.

Prof. S.C. Agarwal, Department of Botany, University of Lucknow, Lucknow.

1354. Mishra, Mahendra Dass.
Studies on ring spot virus of Tropaeslum mijue L. Aligarh, 1974-79.

Prof. Abrar M. Khan, Department of Botany, Aligarh Muslim University, Aligarh.

1355. Mukerji, Ketaki.
Studies on the inhibitors from plants inducing resistance against viruses. Lucknow, 1969-78.

Prof. S.C. Agarwal, Department of Botany, University of Lucknow, Lucknow.

1356. Padhy, Rabindranath.
Studies on algal virus N-1 infecting the nitrogen fixing bluegreen alga, Nostoc muscorum. Utkal, 1978.

1357. Shukla, Kalawati.
Studies on some aspects of a mosaic disease of sorghum, Sorghum vulgare Pers. from Gorakhpur. Gorakhpur, 1979.

1358. Singh, H.C.
Effect of cowpea mosaic virus infection on some aspects of growth and nitrogen metabolism of cowpea. Gorakhpur, 1979.

1359. Srivastava, Sudha Bala.
Studies on two mosaic diseases of brinjal, Solanum melongena L. Gorakhpur, 1979.

1360. Subba Rao, B.L.
Changes associated with rice tungro virus infection in rice plants. Osmania, 1978.

Dr. V.T. John.

1361. Verma, Bina Kumari.
Studies on the prevention and control of plant viruses by amino acids. Lucknow, 1970-78.

Prof. S.C. Agarwal, Department of Botany, University of Lucknow, Lucknow.

Development & Maturation

1362. Abdul Rauf.
Correlative aspects of growth and metabolism in seed development of some legumes. Meerut, 1979.

Dr. D. Banerjee, Reader, Department of Plant Sciences, Institute of Advanced Studies, Meerut University, Meerut.

1363. Das, Suresh Chandra.
Endogenous factors responsible for dormancy in the tea bush with particular reference to environmental conditions in North East India. Gauhati, 1976-79.

Dr. D.N. Barua, Advisor, Tea Research Association, Tocklai Experimental Station, Jorhat.

1364. Nayyar, Vijay Laxmi.
Ultrastructural and compositional changes in the cotyledons of pigeon pea, Cajanus cajan during seed development and germination. Delhi, 1973-79.

Prof. H.Y. Mohan Ram, Department of Botany, University of Delhi, Delhi.

1365. Thomas, Aleyamma.
Effects of hormones on fruit development of cashew and spices. Calicut, 1971-78.

Dr. K. Unnikrishnan, Reader, Department of Botany, University of Calicut, Calicut.

Embryology

1366. Akhilesh Kumari.
I Effects of cucurbitacin on somatic embryogeny in vitro ; and II Cucurbitaceae nucellus cultures as a correlative study on the probable role of cucurbitacins in somatic embryogeny. Delhi, 1973-79.

Prof. S.C. Maheshwari, Head, Department of Botany, University of Delhi, Delhi.

Dr. N.S. Rangaswamy, Department of Botany, University of Delhi. Delhi.

1367. Gawali, Suhas Purushottam.
Embryological studies in the Gramineae. Nagpur, 1971-78.

Dr. M.D. Padhye, Lecturer, Department of Botany, Nagpur University, Nagpur.

1368. Lakshminarayana, Kandula.
Embryological investigations in Gentianales. Andhra, 1978.

Prof. H. Maheswari Devi, Department of Botany, Andhra University, Waltair.

1369. Seeta Rama Rao, Manchala.
Embryological studies in Amaranthaceae and Chenopodiaceae. Andhra, 1979.

Prof. H. Maheswari Devi, Department of Botany, Andhra University, Waltair.

1370. Sukhadani, Asha Narayan.
Embryology of some tubiflorae. Nagpur, 1975-79.

Prof. P.K. Deshpande, Department of Botany, Nagpur University, Nagpur.

Senescence

1371. Ganju, Laxmi.
Physiology of senescence : Studies in Zea mays, var M-105. Bombay, 1974-79.

Dr. S.M. Karmarkar, Department of Botany, Ramniranjan Jhunjunwala College of Arts and Science, Ghatkopar, Bombay.

1372. Kanhaiya Lal.
Physiology of growth and senescence. Allahabad, 1975-79.

Dr. Amar Singh, Reader, Department of Botany, University of Allahabad, Allahabad.

1373. Kar, Manoranjan.
Studies on the biochemical and enzymological aspects of rice leaf senescence. Utkal, 1978.

Prof. D. Misra, Head, Department of Botany, Ravenshaw College, Cuttack.

Anatomy & Morphology

1374. Abdul Kader, H.
Studies on the biology of *Spicodiaptomus*. Madurai, 1973-78.

Prof. S. Krishnaswamy, Head, School of Biological Sciences, Madurai Kamaraj University, Madurai.

1375. Basu, Nupur.
Structural studies in the morphology of some vascular plants. Allahabad, 1971-78.

Prof. D.D. Pant, Head, Department of Botany, University of Allahabad, Allahabad.

1376. Hore, Dipak Kumar.
A study on the Indian species of Symplocos Jacq. Kalyani, 1975-79.

Dr. M.L. Banerjee, Lecturer, Department of Botany, University of Kalyani, Kalyani.

1377. Markandeya, Satish K.
Morphological studies in the monocotyledons-IV. Marathwada, 1978.

Prof. R.M. Pai, Department of Botany, Marathwada University, Aurangabad.

1378. Nagamani, R.
Morphology and embryology of Picea smithiana and Abies pindrow. Delhi, 1971-79.

Dr. R.N. Konar, Reader, Centre of Advanced Study in Botany, University of Delhi, Delhi.

Circulatory Organs

1379. Balakrishnan Nair, M.N.
Structure and development of phloem in Pteridophytes. Patel, 1973-78.

Prof. J.J. Shah, Head, Department of Bio-Sciences, Sardar Patel University, Vallabh Vidyanagar.

Reproductive Organs

1380. Darshan.
Studies in the pollen biology of some cultivated plants. Kurukshetra, 1976-79.

Dr. L.C. Lamba, Reader, Department of Botany, Kurukshetra University, Kurukshetra.

1381. Mane, Dattatraya Annarao.
Studies in air spora over some fields. Marathwada, 1978.

Dr. S.T. Tilak, Reader, Department of Botany, Marathwada University, Aurangabad.

1382. Singh, Anand Bahadur.
Studies on atmospheric pollen of Delhi with reference to respiratory allergy. Delhi, 1973-79.

Dr. D.N. Shivpuri, Lecturer, Department of Botany, University of Delhi, Delhi.

Dr. C.R. Babu, Lecturer, Department of Botany, University of Delhi, Delhi.

Integumentary Organs

1383. Upadhyay, Nirmala.
Epidermal structures and ontogeny of stomata of some angiosperm families. Lucknow, 1972-78.

Prof. B.S. Trivedi, Department of Botany, University of Lucknow, Lucknow.

Ecology

1384. Agrawal, Nisha.
Autoecological studies of two medicinal plants of Gorakhpur viz: Coccimum canum Sims and Tephrosia purpuria Pers. Gorakhpur, 1979.

1385. Billore, S.C.
Ecology of grazing lands with reference to their structural and functional attributes. *D.Sc.* Vikram, 1975-78.

1386. Bordia, Rama Rani.
Studies in ecophysiology of some oil yielding plants with special reference to germination, productivity and energetics. Udaipur, 1976-78.

Dr. L.N. Vyas, Assoc. Prof., Department of Botany, School of Basic Sciences and Humanities, University of Udaipur, Udaipur.

1387. Chouhan, Jaipal Singh.
Studies on primary production and grain yield in some cultivars of barley, Hordeum vulgare L. Rajasthan, 1975-78.

Dr. Brij Gopal, Lecturer, Department of Botany, University of Rajasthan, Jaipur.

1388. Dagar, Jagdish Chandra.
Study on soil erosion of Kshipra ravines. Vikram, 1976-79.

Prof. L.P. Mall, Head, Department of Botany, Vikram University, Ujjain.

1389. Dhingra, Reshma.
Ecology of Helianthus annuus L. Banaras, 1976-79.
Dr. S S. Raman, Reader, Department of Botany, Banaras Hindu University, Varanasi.

1390. Dwivedi, R P.
Studies on plant competition and population dynamics of the grassland vegetation of Gorakhpur in relation to herbage removal. Gorakhpur, 1979.

1391. Gaur, Madhu.
Production of primary and secondary products from in vitro plant tissue culture. Rajasthan, 1974-78.
Dr. (Miss) P. Khanna, Reader, Department of Botany, University of Rajasthan, Jaipur.

1392. George, Mathew.
Organic productivity and nutrient cycling in eucalyptus hybrid plantations. Meerut, 1974-79.
Shri S.K. Seth, Forest Research Institute and College, Dehradun.

1393. Girolkar, Arvind Kumar.
Structural and functional studies of some forests at Raigarh. Ravishankar, 1978.
Dr. Mukundlal Nayak, Department of Biology, Govt. Arts and Science College, Raigarh.

1394. Handoo, Jeewan Kumar.
Ecological and production studies on some typical wetlands in Kashmir. Kashmir, 1973-79.
Prof. V. Kaul, Department of Botany, University of Kashmir, Srinagar.

1395. Jain Shanti Lal.
Observations on the primary productivity and energetics of the macrophytic vegetation of Gordhan Vilas Tank, Udaipur, South Rajasthan. Udaipur, 1975-78.
Dr. L.N. Vyas, Assoc. Prof., Department of Botany, School of Basic Sciences and Humanities, University of Udaipur, Udaipur.

1396. Joseph, Rajendra Nelson.
An ecological study of organic layer of some forests of Sagar. Saugar, 1978.

Prof. G.P. Mishra, Head, Department of Botany, University of Saugar, Sagar.

1397. Kelkar, Sushma.
Ecological studies on two common plants from the dried ponds of Rewa. Awadhesh Pratap, 1979.

Dr. H.R. Sant, Lecturer, Department of Botany, Banaras Hindu University, Varanasi.

1398. Kumar, Gita Shree.
Ecology of some characteristic species of waste land of Bilaspur. Ravishankar, 1978.

Dr. A.M. Aggarwal, Department of Botany, Govt., Girls Degree College, Bilaspur.

1399. Misra, Malaya Kumar.
Phytosociology and primary production of a grassland community at Berhampur, Orissa, India. Berhampur, 1975-79.

Prof. B.N. Misra, Department of Botany, Berhampur University, Berhampur.

1400. Pachpar, Subhash Shantaram.
Ecological studies on Cassia auriculata Linn. Udaipur, 1978.

Prof. Y.D. Tyagi, Department of Botany, School of Basic Sciences and Humanities, University of Udaipur, Udaipur.

1401. Pandey, Dharma Deo.
Seasonal variation in the productivity and nutritive value of four important forage species in relation to grazing. Banaras, 1976-79.

Dr. H.R. Sant, Lecturer, Department of Botany, Banaras Hindu University, Varanasi.

1402. Sahu, Lakshmi Prasad.
Ground flora in forest ecosystems of Raigarh. Ravishankar, 1978.

Dr. Mukundlal Nayak, Department of Biology, Govt. Arts and Science College, Raigarh.

1403. Sharda Rani.
Soil respiration and decomposition of litter and roots in a grassland ecosystem. Kurukshetra, 1975-79.

Dr. G.S. Singh, Reader, Department of Botany, Kumaun University, Nainital.

1404. Sharma, Hemant Kumar.
Ecology of weeds of rice fields in Raipur. Ravishankar, 1979.

Dr. L.P. Mall, Department of Biology, Govt. College of Science, Raipur.

1405. Singh, Ashok Kumar.
Comparison of primary productivity and energetics of savanna and teak, Tectona grandis Linn. plantation of Chandraprabha Region, Varanasi. Banaras, 1976-79.

Dr. R.S. Ambasht, Reader, Department of Botany, Banaras Hindu University, Varanasi.

1406. Srivastava, B.P.
Structural and functional studies of some tropical deciduous forests of Surgaja, M.P. Ravishankar, 1978.

Dr. M.L. Nayak, Department of Biology, Govt. Degree College, Ambikapur.

1407. Srivastava, Poonam.
Ecological studies on cellulose decomposing microfungi of soil, air and deteriorated cotton textiles and paper. Gorakhpur, 1979.

1408. Srivastava, Urmila.
Studies on the pollination ecology of some nocturnal cucurbits. Awadhesh Pratap, 1979.

Dr. V.B Chaudhury, Department of Botany, Government College, Khandwa.

1409. Srivastava, V.K.
In vitro studies on the allelopathic effects in the dynamics of establishment of natural plant communities at Rajkot. Saurashtra, 1979.

Prof. S.C. Pandya, Head, Department of Bio-Sciences, Saurashtra University, Rajkot.

1410. Subbarangaiah, Goddam.
Studies on autecology of some Gigartinales of the Visakhapatnam coast. Andhra, 1979.

Dr. M. Umamaheswara Rao, Reader, Department of Botany, Andhra University, Waltair.

1411. Thri Murty, V.S.
Studies on the ecology of Xanthomonas oryzae, the incitant of bacterial blight of rice. Ravishankar, 1978.

1412. Tiwari, Jwala Prasad.
Energy budget of some varieties of Triticum aestivum L. em Thell and T. durum Desf. Jabalpur, 1973-79.

Prof. D.K. Tiwari, Head, Department of Botany, Jawaharlal Nehru Krishi Vishwavidyalaya, Jabalpur.

1413. Verma, Rajni.
Ecological studies on Kolaras Range. Jiwaji, 1975-78.

Dr. R R. Das, Reader, Department of Botany, Jiwaji University, Gwalior.

1414. Yadav, Ashok Kumar.
Mineral circulation in some forests of Sagar with special reference to stemflow and through fall. Saugar, 1979.

Prof. G.P. Mishra, Head, Department of Botany, University of Saugar, Sagar.

Economic Botany

1415. Afaq, Saeedul Hussain.
Pharmacognostical studies on certain Indian medicinal plants. Aligarh, 1976-78.

Prof. Abrar M. Khan, Department of Botany, Aligarh Muslim University, Aligarh.

1416. Kannabiran, B.
Pharmacognostical investigations on some Indian medicinal plants. Madras, 1974-79.

Prof. S.L. Basu, Department of Biology, Jawaharlal Nehru Institute of Postgraduate Medical Education and Research, Pondicherry.

Cytology

1417. Khandelwal, Sharda.
Cytological and physiological studies on Ophio glossum L. Jiwaji, 1978.

Dr. H.K. Goswami, Reader, School of Biological Sciences, Bhopal Vishwavidyalaya, Bhopal.

*1418. Laxminarsamma, C.
Karyomorphological and mutagenic studies on Raphanus sativus L. Kakatiya, 1973-78.

Dr. (Mrs.) V. Vidyavathi, Lecturer, Department of Botany, Kakatiya University, Warangal.

1419. Malhotra, Kusum.
Transgenesis in higher plant cells: A reappraisal. Delhi, 1975-79.

Prof. S.C. Maheshwari, Head, Department of Botany, University of Delhi, Delhi.

1420. Mathew, Abraham.
Cytological studies on the South Indian Compositae. Kerala, 1973-79.

Shri P.M. Mathew, Reader, Department of Botany, University of Kerala, Trivandrum.

1421. Narayan, Pawandeo.
Cytological and embryological studies in Pennisetum. Patna, 1979.

Dr. Sunil Sharan, Department of Botany, Patna University, Patna.

1422. Samba Murthy Reddy, A.G.
Cytomorphological studies in three diploid species of coffee and their hybrids and hybrid progeny. Mysore, 1978.

Cytogenetics

1423. Bharadwaja Kirti, Pulugurtha.
Studies on the cytogenetic aspects of some spinous Solanums Andhra, 1979.

Dr. B.G.S. Rao, Department of Botany, Andhra University, Waltair.

1424. Dandin, S.B.
Cytogenetical studies in the genus Paspalum L. Karnatak, 1978.

Prof. M.S. Chennaveeraiah, Head, Department of Botany, Karnatak University, Dharwad.

1425. Joshi, K.K.
Cytogenetical studies in the genus Linum L. and its allies Karnatak, 1978.

Prof. M S. Chennaveeraiah, Head, Department of Botany, Karnatak University, Dharwad.

1426. Karihaloo, Jawahar-Lal.
Cytogenetic studies in some members of Amaryllidaceae. Jammu, 1978.

Dr. A.K. Koul, Reader, Department of Botany, University of Jammu, Jammu.

1427. Khanolkar, Shubhada Madhukar.
Cytogenetic studies in Cerum copticum. Nagpur, 1973-78

Prof V.R. Dnyansagar, Head, Department of Botany, Nagpur University, Nagpur.

1428. Mukherjee, Sunita.
Cytogenetical studies in the family Euphorbiaceae. Magadh, 1974-79.

Dr. R.N. Trivedi, Department of Botany, Magadh University, Bodh-Gaya.

1429. Narasinga Rao, Putcha Srirama Lakshmi.
Cytogenetic studies of autotetraploid pearl millet, Pennisetum typhoides. Andhra, 1979.

Dr. J.V. Pantulu, Emeritus Prof., Department of Botany, Andhra University, Waltair.

1430. Prasad, Binay Shankar.
Cytogenetic studies in Lycopersicon pedicellatum. Patna, 1979.

Dr. Sunil Sharan, Department of Botany, Patna University, Patna.

1431. Prasad, Koduru Ramakrishna.
Cytogenetic studies on spontaneous mutant phenotypes of Pennisetum americanum (L) Leeke. Andhra, 1979.

1432. Ramesh, K. Bandarupalli.
Cytogenetics of gamma ray and EMS induced mutants in some varieties and hybrids of rice, Oryza sativa (L). Andhra, 1979.

Prof. V.R. Reddy, Department of Botany, Andhra University, Waltair.

1433. Sahu, Rajani Kanta.
Studies on the cytogenetic hazards from agricultural chemicals. Berhampur, 1976-79.

Dr. C.B.S.R. Sharma, Reader, Department of Botany, Berhampur University, Berhampur.

1434. Seetha Rami Reddi, Thondapu Veera Venkata.
Cytogenetics of mutants induced by physical and chemic l mutagens in three varieties of rice, Oryza sativa L. Andhra, 1978.

Prof. V.R. Reddy, Department of Botany, Andhra University, Waltair.

1435. Sharma, Naresh Chander.
Cytogenetic studies involving triticale and wheat. Meerut, 1974-79.

Prof. P.K. Gupta, Department of Plant Sciences, Institute of Advanced Studies, Meerut University, Meerut.

Regional Botany

1436. Jain, Ashok Kumar.
Study of the vegetation of certain areas of Chambal Ravines. Jiwaji, 1975-78.

Dr. R.R. Das, Reader, Department of Botany, Jiwaji University, Gwalior.

1437. Kulkarni, B.G.
Flora of South Ratnagiri. Poona, 1975-79.

Dr. T.S. Mahabale, 25/143, Aundh, Pune.

1438. Mandavgane, Rekha Dilip.
Floristic and palynological studies on some plant groups from Western Maharashtra and Goa. Poona, 1973-79.

Dr. V.D. Vartak, Department of Botany, Maharashtra *Association for the Cultivation of Science,* Pune.

1439. Mehrotra, Bishan Narain.
Flora of Mandakini Valley, Garhwal Himalayas. Lucknow, 1963-78.

Prof B.S. Trivedi, Department of Botany, Univer*sity of Lucknow, Lucknow.*

ANGIOSPERMS

Malvales

1440. Kamble, N.P.
Studies on the cytotaxonomy of Malvaceae. Bombay, 1966-78.

Dr. K. Subrahmaniam, Botanical Survey of India, Calcutta.

Rhamnales

1441. Gupta, Prabha.
Morphological studies in the family Vitaceae. Meerut, 1974-79.

Prof Y.S. Murty, Department of Plant Sciences, Institute of Advanced Studies, Meerut University, Meerut.

Sapindales

1442. Sulochana Devi.
Morphology and embryology of certain taxonomically controversial members of sapindales. Osmania, 1979.

Dr. Nirmal Gulati, Reader, Department of Botany, Osmania University, Hyderabad.

Leguminales

1443. Mehrotra, Rajesh Narain
Morphology and embryology of the members of the tribe Trifolieae (Fabaceae). Rajasthan, 1972-78.

Prof. H S. Narayana, Head, Department of Botany, University of Rajasthan, Jaipur.

Cucurbitales

1444. Thanki, Yogeshchandra Jatashanker.
Development and structure of some cucurbitaceous fruits. Patel, 1971-79.

Prof. J.J. Shah, Head, Department of Bio-Sciences, Sardar Patel University, Vallabh Vidyanagar.

Rubiales

1445. Philip, K. Omana.
Cytological and palynological studies on the South Indian Rubiaceae. Kerala, 1974-79.

Shri P.M. Mathew, Reader, Department of Botany, University of Kerala, Trivandrum.

Apocynales

1446. Khan, Peerzada Saeed Husain.
Morphology and anatomy of seeds of members of family Apocynaceae. Aligarh, 1960-78.

Dr. R.P. Singh, Lecturer, Department of Botany, Aligarh Muslim University, Aligarh.

Gentianales

1447. Choudhary, Badri Lal.
Studies on the micro-anatomical characteristics of certain species of the order Gentianales. Udaipur, 1978.

Prof. Y.D. Tyagi, Department of Botany, School of Basic Sciences and Humanities, University of Udaipur, Udaipur.

1448. Sharma, Vandana.
Morphological studies in the Gentianales. Rajasthan, 1974-78.

Dr. N. Chandra, Reader, Department of Botany, University of Rajasthan, Jaipur.

Personales

*1449. Sarma, V.V.L.N.
Chemotaxonomy of some Acanthaceae. Kakatiya, 1977-79.

Dr. L.L. Narayana, Reader, Department of Botany, Kakatiya University, Warangal.

1450. Verma, Satish Kumar.
Morphological studies in the family Acanthaceae. Meerut, 1974-79.

Prof. Y.S. Murty, Department of Plant Sciences, Institute of Advanced Studies, Meerut University, Meerut.

Lamiales

1451. Sharma, Meena.
Ontogenetic and experimental studies in some Labiatae. Meerut, 1974-79.

Dr. V. Singh, Department of Botany, Meerut College, Meerut.

Verbenales

1452. Choudhary, Sheo Shankar.
Cytotaxonomic and embryological studies of certain taxa of the family Verbenaceae. Patna, 1978.

Prof. R.P. Roy, Department of Botany, Patna University, Patna.

Chenopodiales

1453. Chowdhury, Sudhangshu.
Certain aspects of chemotaxonomy of Amaranthaceae and Chenopodiaceae. Gauhati, 1974-78.

Dr. (Mrs) P. Baruah, Lecturer, Department of Botany, Gauhati University, Gauhati.

Aristolochiales

1454. Chakrabarti, Bulbul.
Antifertility, toxicity and other biological property studies on the extract of the plant, Aristolochia indica (Roof). Calcutta, 1979.

Euphorbiales

1455. Varko, Mary.
Experimental studies on effects of plant growth regulators on vegetative morphology and floral morphogenesis in Ricinus communis Linn. Kanpur, 1979.

Dr. D.E. Ruben, Lecturer, Department of Botany, Christ Church College, Kanpur.

Urticales

1456. Satish Kumar.
Morphological, anatomical and ontogenetic studies in some common species of Morus. Meerut, 1975-79.

Dr. V. Singh, Department of Botany, Meerut College, Meerut.

Orchidales

1457. Hosiar Singh.
Morphological, anatomical and ontogenetic studies in some Orchidaceae. Meerut, 1974-79.

Dr. V. Singh, Department of Botany, Meerut College, Meerut.

1458. Sau, Haradhan.
Chromosome evolution and the response to external agents in certain tribes of Orchidaceae and other families. Calcutta, 1979.

Iridales

1459. Pandey, Prakash Chandra.
Morphological, anatomical and ontogenetic studies in the iridaceae. Meerut, 1976-79.

Dr. V. Singh, Department of Botany, Meerut College, Meerut.

Palmales

1460. Javalgekar, S.R.
Comparative studies on palms. Poona, 1956-79.

Dr. T.S. Mahabale, 25/143, Aundh, Pune.

1461. Patel, Hansaben Kuberdas.
Studies on palms: 1. Thrinax parviflora Sw; 2. Trachycarpus marutiana H. Wendl; and 3. Borassus flabelliferi. South Gujarat, 1973-78.

Dr. T.S. Mahabale, 25/143, Aundh, Pune.

Arales

1462. Raghava Ram, N.V.
Apical meristems and development of lateral organs in Araceae. Meerut, 1974-79.

Prof. Y.S. Murty, Department of Plant Sciences, Institute of Advanced Studies, Meerut University, Meerut.

Cyperales

1463. Majumdar, A.M.
Studies on Scirpus kysoor Roxb. for antioxytocic principle. Poona, 1975-79.

Dr. G.S. Pendse, Director, Indian Drugs Research Association, Shivajinagar, Pune.

1464. Sharma, Om Prakash.
Morphological, anatomical and developmental studies in some species of Cyperus. Meerut, 1974-79.

Dr. R. Shiam, Department of Botany, Meerut College, Meerut.

Graminales

1465. Shukla, Ayodhya Prasad.
Studies in the autecology and physiology of Paspalum scrobiculatum Linn. Awadhesh Pratap, 1979.

Dr. Ramji Sharma, Head, Department of Botany, Govt. Science College, Rewa.

GYMNOSPERMS

1466. Chawla, Sneh Lata.
Studies on the variation, inheritance and correlation amongst growth, morphological and wood characteristics in Chir pines. Garhwal, 1974-79.

Shri S. Kedarnath, Forest Research Institute and College, Dehradun.

PTERIDOPHYTA

1467. Harvinder Kaur.
Physico-morphogenetic studies in vitro of some ferns. Panjab, 1973-78.

Dr. D.S. Loyal, Reader, Department of Botany, Panjab University, Chandigarh.

BRYOPHYTA

1468. Jha, Shashi Nath.
Biosystematic and ecological studies in the Bryophytes of North Bihar. Mithila, 1979.

Dr. Arun Kumar Mishra, Head, Department of Botany, Mithila University, Darbhanga.

1469. Joshi, Sanudevi.
Morphogenetic and cytological studies in some liverworts and ferns. Karnatak, 1979.

Dr. K. Nataraj, Reader, Department of Botany, Karnatak University, Dharwad.

1470. Sharma, Pradeep Kumar.
Pollution tolerance, desiccation tolerance and production of some bryophytes. Vikram, 1976-79.

Dr. A.K. Kaul, Head, Department of Botany, Madhav Science College, Ujjain.

1471. Shukla, Ram Mohan.
Ecological studies of two liverworts. Vikram, 1975-78.

Dr. A.K. Kaul, Head, Department of Botany, Madhav Science College, Ujjain.

THALLOPHYTA

Lichens

1472. Kulkarni, C.R.
Studies into lichens of Western India. Poona, 1973-78.

Dr. P.G. Patwardhan, Department of Botany, Maharashtra Association for the Cultivation of Science, Pune.

1473. Makhija, U.V.
Studies into some Indian lichens. Poona, 1975-79.

Dr. P.G. Patwardhan, Department of Botany, Maharashtra Association for the Cultivation of Science, Pune.

Fungi

1474. Aneja, Kamal Roy.
Taxonomical and ecological studies on soil and litter fungi from grasslands of Kurukshetra. Kurukshetra, 1975-79.

Prof. R.S. Mehrotra, Head, Department of Botany, Kurukshetra University, Kurukshetra.

1475. Chandrashekara, K.V.
Studies on coprophilous fungi. Madras, 1972-79.

Prof. C.V. Subramanian, Centre for Advanced Studies in Botany, University of Madras, Madras.

1476. Dwivedi, Padmakant.
Studies on fungi associated with cereal grains with special reference to wheat and paddy. Allahabad, 1974-79.

Dr. B.S. Mehrotra, Head, Department of Botany, Kumaun University, Nainital.

1477. Narang, Maneesha.
Studies on seed mycoflora of some oil-seed crops. Allahabad, 1973-79.

Dr. Sudhir Chandra, Lecturer, Department of Botany, University of Allahabad, Allahabad.

1478. Patil, M.S.[1]
Fungi of South Western Maharashtra. Poona, 1976-79.

Dr. S.D. Patil, Reader, Department of Botany, University of Poona, Pune.

1479. Pawar, Tukaram Krishna.
Studies on fungi in rhizosphere, phyllosphere and flowers of Parthenium hysterophorus L. with special reference to their biochemical and physiological characters. Poona, 1973-78.

Dr. S.B. Mujumdar, 8, Fergusson College Campus, Pune.

1480. Shukla, Dina Nath.
Studies on fungi isolated from seeds of pulses and oil crops. Allahabad, 1973-78.

Dr. S.N. Bhargava, Lecturer, Department of Botany, University of Allahabad, Allahabad.

1481. Singh, Ajai Pal.
Studies on some soil fungi with special reference to fusaria of arhar fields. Allahabad, 1972-78.

Dr. S.N. Bhargava, Lecturer, Department of Botany, University of Allahabad, Allahabad.

1482. Singh, Anjani Kumar.
Cultural and pathological studies of certain fungi associated with the fruits in North Bihar Region. Mithila, 1979.

Dr. Roy A.V. Varma, Department of Botany, C.M. Science College, Darbhanga.

1483. Sur, Banani.
Keratinophilic fungi of Orissa. Utkal, 1979.

Prof. (Mrs.) G.R. Ghosh, Head, Department of Science, Regional College of Education, Bhubaneswar.

1484. Suryanarayanan, T.S.
Studies on photosporogenesis in some fungi. Madras, 1975-79.

Dr. R. Narayanaswamy, Reader, Centre for Advanced Studies in Botany, University of Madras, Madras.

1485. Upadhyay, Rajeev Kumar.
Biology of microfungi associated with a medicinal plant. Banaras, 1975-79.

Dr. R.S. Dwivedi, Reader, Department of Botany, Banaras Hindu University, Varanasi.

Basidiomycetes

1486. Gandhe, R.V.
Smuts of Maharashtra. Poona, 1971-78.

Dr. S.D. Patil, Reader, Department of Botany, University of Poona, Pune.

1487. Hardikar, Kamala Shrikant.
Fundamental studies of some Indian rust fungi. Shivaji 1973-78.

Dr. U.K. Kulkarni, Reader, Department of Botany, Shivaji University, Kolhapur.

1488. Rahalkar, S.R.
Studies on some Indian basidiomycetes. Poona, 1973-79.

Dr A.V. Sathe, Department of Botany, Maharashtra Association for the Cultivation of Science, Pune.

Ascomycetes

1489. Subhedar, Anand Waman.
Studies into some Indian ascomycetes and fungi imperfecti. Poona, 1974-78.

Dr. V.G. Rao, Department of Botany, Maharashtra Association for the Cultivation of Science, Pune.

1490. Varghese, K.I. Mani.
Studies into some Indian ascomycetes and fungi. Poona, 1975-79.

Dr. V.G. Rao, Department of Botany, Maharashtra Association for the Cultivation of Science, Pune.

Myxomycophyta

1491. Ranade, Vijay Damodar.
Myxomycetes of Maharashtra. Poona, 1973-78.

Dr. S.D. Patil, Reader, Department of Botany, University of Poona, Pune.

1492. Venkataramani, R.
Studies on myxomycete distribution in India and some in vitro studies. Madras, 1973-79.

Prof. R. Kalyanasundaram, Centre of Advanced Study in Botany, University of Madras, Madras.

Algae

1493. Deore, L.T.
Studies on the freshwater algae of Maharashtra. Poona, 1973-79.

Prof. M.S. Balakrishnan, Head, Department of Botany, University of Poona, Pune.

1494. Gunale, V.R.
Algae in relation to air and water pollution. Poona, 1973-79.

Prof. M.S. Balakrishnan, Head, Department of Botany, University of Poona, Pune.

1495. Jayaraman, Shashikala.
Cultural and cytological studies on eucaryotic algae. Banaras, 1975-79.

Prof. Y.S.R.K. Sarma, Department of Botany, Banaras Hindu University, Varanasi.

1496. Saxena, Manjula.
Studies on the influence of industrial effluents on some algae. Lucknow, 1972-78.

Prof. B.N. Prasad, Department of Botany, University of Lucknow, Lucknow.

1497. Yadava, Raj Nath.
Studies on the taxonomy and biology of certain algae. Allahabad, 1975-79.

Dr. D.C. Pandey, Lecturer, Department of Botany, University of Allahabad, Allahabad

Cyanophyta

1498. Das, Binayak.
Effect of herbicides and pesticides on the blue green algae of freshwater ponds. Utkal, 1978.

Dr. P K. Singh, Algologist, Central Rice Research Institute, Cuttack.

1499. Dhirendra Singh.
Effects of ultraviolet radiation and nitrosoguanidine on nitrogen fixing algi, Nostoc linkia. Banaras, 1975-79.

Prof. H.D. Kumar, Department of Botany, Banaras Hindu University, Varanasi.

1500. Gabriel, Simon M.S.
Studies on the members of the family Rivulariaceae and Scytonemataceae (blue-green algae). Madras, 1972-79.

Prof. T.V. Desikachary, Centre for Advanced Studies in Botany, University of Madras, Madras.

1501. Kapoor, Kamal.
Physiological and biochemical studies on a nitrogen fixing blue green alga, Anabaena doliolum Bhardwaja. Udaipur, 1975-78.

Dr. V.K. Sharma, Asstt. Prof., Department of Botany, School of Basic Sciences and Humanities, University of Udaipur, Udaipur.

1502. Sonie, Krishna Chandra.
Genetic and physiological controls of nitrogen fixation in the blue-green algae, Nostoc muscorum. Banaras, 1975-79.

Dr. H.N. Singh, Reader, Department of Botany, Banaras Hindu University, Varanasi.

Chlorophyta

1503. Devi Prasad, P.V.
Morphogenetic studies on a green alga, Gloeotaenium. Banaras, 1974-79.

Dr. Y.B.K. Chowdhury.

1504. Mehta, Moti Keki.
Investigation of certain metabolic products of some common green algae. Nagpur, 1975-79.

Dr. K.V. Marathe, Department of Botany, Institute of Science, Nagpur.

Chrysophyta

1505. Pant, Uma Rani.
Molecular properties of some diatoms. Kumaun (Chemistry) 1978.

Dr. J.D. Pandey, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

Schizomycetes

1506. Kasturi Bai, R.
Studies on rhizobial isolates from South Indian legumes. Madras, 1973-79.

Dr. P.N. Raju, Lecturer, Centre for Advanced Study in Botany, University of Madras, Madras.

ZOOLOGY

Physiology

1507. Awad, Vishwas Ramkrishnarao.
Studies on some physiological aspects of the insects, Heliothis armigera (Hubner). Marathwada, 1978.

Prof. R. Nagabhushanam, Head, Department of Zoology, Marathwada University, Aurangabad.

1508. Dama, S.V.
Some aspects of physiology of Lymnaea auricularia. Marathwada, 1979.

Prof. R. Nagabhushanam. Head, Department of Zoology, Marathwada University, Aurangabad.

Circulation

1509. Baskar, S.
Mechanism of low zone tolerance to sheep erythrocytes in the lizard, Calotes versicolor. Madurai, 1974-79.

Prof. V.R. Muthukaruppan, School of Biological Sciences, Madurai Kamaraj University, Madurai.

1510. Masih, Benjamin P.
Studies on the blood of freshwater fishes. Lucknow, 1976-73.

Dr. R.S. Tandon, Reader, Department of Zoology, University of Lucknow, Lucknow.

1511. Nasreen Ahmad.
Haemostasis, blood coagulation and fibrinolysis in some vertebrates. Banaras, 1974-79.

Dr. B. Dubey.

Dr. G.P. Agrawal, Reader, Department of Zoology, Banaras Hindu University, Varanasi.

1512. Venugopal Reddy, M.
Some studies on the properties of the blood of a gastropod snail, Pila globosa (Swainson) with reference to aestivation. Venkateswara, 1969-78.

Dr. B. Padmanabha Naidu, Lecturer, Department of Zoology, S.V.U. College of Arts and Sciences, Tirupati.

1513. Verma, Gopalkrishna.
Studies on the haematology of some selected reptiles. Patna, 1979.

Dr. V. Banerjee, Reader, Department of Zoology, Patna University, Patna.

1514. Yadav, Rameshwar Prasad.
Haematological studies in a common Indian Myna : Acridotheses tristis tristis (Linnaeus). Patna, 1979.

Dr. V. Banerjee, Reader, Department of Zoology, Patna University, Patna.

Respiration

1515. Sharma, Anjana.
Studies on the respiration in fish. Vikram, 1976-78.

Dr. H. Swaroop, Vice-Chancellor, Jiwaji University, Gwalior.

Nutrition

1516. Joshi, Madhu.
Absorption of cholesterol in certain insects with special reference to Periplaneta americana L. Delhi, 1972-79.

Dr. H.C. Aggarwal, Reader, Department of Zoology, University of Delhi, Delhi.

1517. Misra, S.C.
Studies on the digestive physiology of the termites. Garhwal, 1977-79.

Dr. P.K. Sen Sharma.

1518. Murthy, Ramesh Chandra.
Studies on the digestive physiology of Macrobrachium lamarret Milne Edwards (Crustacea : Decapoda). Lucknow, 1973-79.

Dr. (Miss) Padma Saxena, Lecturer, Department of Zoology, University of Lucknow, Lucknow.

1519. Patil-Kulkarni, V.G.
Dietary proteins and immunity in chicks. Bombay, 1976-79.

Dr. Jecob Eapen, Bhabha Atomic Research Centre, Trombay, Bombay.

1520. Upadhyay, Vijay B.
Studies on the mode of ingestion and physiology of digestion of certain phytophagous, saprophagous and carnivorous insects. Gorakhpur, 1979.

Metabolism

1521. Chengalraju, D.
Some aspects of derangement of glycogen and associated metabolism in progressive muscular atrophy. Venkateswara, 1970-78.

Prof. K.S. Swamy, Head, Department of Zoology, S.V.U. College of Arts and Sciences, Tirupati.

1522. Das. Kalyani.
Metabolic studies in the brain of young and old male garden lizards, Calotes versicolor (Daudin). Berhampur, 1976-79.

Dr. B.K. Patnaik, Reader, Department of Zoology, Berhampur University, Berhampur.

1523. Deshmukh, Devendra Ramchandra.
Studies on ornithine metabolism in brain. Baroda, 1974-78.

Dr. S.K. Srivastava, Reader, Department of Biochemistry, M.S. University of Baroda, Baroda.

1524. Gaur, Vijaylaxmi.
Enzymic histochemical studies of digestive tract of Channa gachua (Ham) and Clarias magur (Cuv). Jiwaji, 1975-78.

Dr. R.D. Gaur, Department of Zoology, Govt. College, Shahdol.

*1525. Madhusudha Rao, G.
Metabolic studies on functionally different muscles of a fresh water field crab, Paratelphusa hydrodromus (Herbst) and a fresh water mussel, Lamellidens corrianus (Lea). Kakatiya, 1976-79.

Dr. N. Chari, Reader, Department of Zoology, Kakatiya University, Warangal.

1526. Nath, Mukti Madhav Chandra.
Effect of certain factors on ascorbic acid metabolism in animals. Nagpur, 1974-78.

Dr. N. Nath, Lecturer, Department of Biochemistry, Nagpur University, Nagpur.

1527. Pant, Usha.
Metabolism of animal cells. Poona (Chemistry) 1972-79.

Dr. V. Jagannathan, National Chemical Laboratory, Pune.

1528. Parmar, Prabhakar Yadaw.
Studies in ascorbic acid metabolism in avian tissues under normal and altered physiological conditions. Gujarat, 1976-79.

Dr. (Miss) N.J. Chinoy, Lecturer, Department of Zoology, Gujarat University, Ahmedabad.

1529. Rama Rao, M.V.
Studies on protein metabolism in relation to dietary amino acid composition under conditions of starvation and hyperoxia. I.I.Sc., Bangalore, 1972-79.

Prof. T. Ramasarma, Department of Biochemistry, Indian Institute of Science, Bangalore.

Dr. H. Nath, Central Food Technological Research Institute, Mysore.

1530. Rose, Ida.
Metabolism of biphenyl derivatives in albino rats. Punjab Agrl., 1974-78.

Dr. K.L. Bajaj, Asstt. Prof., Department of Biochemistry, Punjab Agricultural University, Ludhiana.

1531. Sreekumar, P.
Effect by dietary fats of varying unsaturation on the metabolism of lipids, glycosaminoglycans and glycoproteins. Kerala, 1974-78.

Prof. P.A. Kurup, Head, Department of Biochemistry, University of Kerala, Trivandrum.

1532. Verendra Kumar.
A study on the intestinal transport of few nutrients in two teleost fishes. Meerut, 1975-79.

Dr. V.P. Agarwal, Department of Zoology, D.A.V. College, Muzaffarnagar.

Secretion & Excretion

1533. Bhattacharyya, Sibsankar.
Physiological studies on the effects of hormones on liver of toad. Calcutta, 1979.

1534. Srivastava, Shivaji.
Studies of correlative cyclic changes in pituitary glands and gonads of Channa straitus and Channa marulius. Gorakhpur, 1979.

1535. Banerjee, Jayashree.
Fine structure analysis of white locus of Drosophila melanogaster : Mutational studies at the white locus induced through ethyl methane sulphonate. Banaras, 1973-79.

Dr. (Mrs.) Ibha Kar.

Dr. S.K. Sen.

1536. Ibrahim, K.H.
Contribution on hybridisation among Indian carps : Studies on the biological and morphometric features of some Indian carp hybrids. Utkal, 1978.

Dr. V.G. Jhingran, Director, Central Inland Fisheries Research Institute, Barrackpore, West Bengal.

1537. Mohammed Ishaq.
Immunogenetic and biochemical studies on Entamoeba histolytica and Entamoeba coli. Osmania, 1979.

Dr. M.C. Padma, Department of Genetics, Osmania University, Hyderabad.

1538. Mujeebuddin, M.
Genetic and somatic effects of gamma radiation during pre-natal development in mice. Osmania, 1979.

Prof. O.S. Reddy, Head, Department of Genetics, Osmania University, Hyderabad.

1539. Niranjan Goud, S.
Genetic and cytogenetic effects of carbon-14 in mice. Osmania, 1979.

Prof. O.S. Reddy, Head, Department of Genetics, Osmania University, Hyderabad.

1540. Padma, T.
Studies on the genetic aspects of some eye diseases. Osmania, 1979.

Dr. J.S. Murthy, Reader, Department of Genetics, Osmania University, Hyderabad.

1541. Prabhakar Rao, K.
Investigations on the genetic effects induced by tranquilizers in Drosophila and mice. Osmania, 1978.

Dr. M. Sanjeeva Rao, Reader, Department of Genetics, Osmania University, Hyderabad.

1542. Tripathy, Niraj Kanti.
Chromosomal studies in fishes. Berhampur, 1973-79.
Prof. C.C. Das, Head, Department of Zoology, Berhampur University, Berhampur.

1 543. Varma, Manju Bala.
Studies on the induction of genetic effects in Drosophila and mice cultured on irradiated glucose. Osmania, 1978.

Dr. M. Sanjeeva Rao, Reader, Department of Genetics, Osmania University, Hyderabad.

Reproduction

1544. Amitabh Krishna.
Aspects of reproduction in some Indian bats. Banaras, 1975-79.

Prof. C.J. Dominic, Department of Zoology, Banaras Hindu University, Varanasi.

1545. Anand Prakash.
Effect of some indigenous plant extracts on female reproductive organs of albino rats. Jiwaji, 1976-79.

Dr. Ramesh Mathur, Reader, Department of Zoology, Jiwaji University, Gwalior.

1546. Chattopadhyay, Ratna.
Effect of pentose phosphate pathway inhibitor on testicular steroidogenesis and spermatogenesis. Calcutta, 1978.

1547. Chauhan, Balvantsinh Chandrasinh.
Studies on some aspects of histophysiology of certain endocrine glands related to reproductive cycle of the Indian house crow, Corvus splendens Vieillot. Baroda, 1970-79.

Dr. P.M. Ambalkar, Reader, Department of Zoology, M.S. University of Baroda, Baroda.

548. Grewal, Satwant.
Experimental studies on the neuroendocrine regulation of pregnancy in the albino rat. Delhi, 1974-79.

Dr. R.N. Saxena, Reader, Department of Zoology, University of Delhi, Delhi.

1549. Kapur, Kanwal.
Reproductive performance of major carps in natural and confined waters. Punjab Agrl., 1974-79.

Prof. H.S. Toor, Department of Zoology, Punjab Agricultural University, Ludhiana.

1550. Kaul, Pratibha.
Effect of experimentally induced anemia on the testicular activity of toads, Bufo melanostictus and rats. Calcutta, 1978.

1551. Sunil Kumar.
Reproductive physiology of fishes with particular reference to spawning : Effects of drugs on spermiation in Clarias batrachus. Banaras, 1975-79.

Dr. (Mrs). K. Chandrasekhar, Lecturer, Department of Zoology, Banaras Hindu University, Varanasi.

1552. Unune, Arun Ramchandra.
Study of sex-cycles in some bats from Western India. Shivaji, 1975-78.

Prof. A.T. Varute, Head, Department of Zoology, Shivaji University, Kolhapur.

1553. Varadarajan, Sudha.
Studies on reproduction in crustaceans. Madras, 1975-78.

Dr. T. Subramanian, Lecturer, Department of Zoology, University of Madras, Madras.

1554. Veera Raghavan, V.
Aspects of reproductive physiology of the earwig, Euborellia annulipes Lucas (Dermaptera). Madras, 1973-78.

Dr. V. Hari Rao, N. 260, Gregory Ave., Apt. B 6, Passaic, N.J. 07055, U.S.A.

1555. Vyas, Devhuti Mukundray.
Studies on certain aspects of functional control of the preputial glands of male rats. Baroda, 1973-79.

Dr. P.M. Ambadkar, Reader, Department of Zoology, M.S. University of Baroda, Baroda.

Histogenesis

1 556. Nath, Panchanan.
Experimental studies on endocrine regulation of vitellogenesis in the catfish, Hereropneustes fossilis Bloch. Delhi, 1974-79.

Prof. B I. Sundararaj, Department of Zoology, University of Delhi, Delhi.

1557. Patra, Kirttan Chandra.
Histochemistry of vitellogenesis in spiders. Berhampur, 1973-78.

Prof. C.C. Das, Head, Department of Zoology, Berhampur University, Berhampur.

Response to External Stimuli

1558. Biswas, K.P.
Further studies on the effect of electrical energy on certain aquatic organisms. Bombay, 1975-79.

Dr. S.M. Karmarkar, Department of Zoology, Wilson College, Bombay.

1559. ayashree, C.
Studies on some effects of alloxan diabetes on the central nervous system in rats. Bangalore, 1978.

Dr. Nayeemunnisa, Lecturer, Department of Zoology, Bangalore University, Bangalore.

1560. Naidu, Sindhu.
Environmental variations as factors affecting some aspects of fish physiology. Osmania, 1978.

Dr. J.V. Ramana Rao, Reader, Department of Zoology, Osmania University, Hyderabad.

561. Nalini, U.P.
Studies on some biochemical responses of thermal acclimation in a poikilotherm. Bangalore, 1973-79.

Dr. Nayeemunnisa, Lecturer, Department of Zoology, Bangalore University, Bangalore.

1562. Radhakrishnaiah, K.
Some aspects of the energetics of thermal adaptation in eurythermal freshwater teleost, Tilapia mossambica Peters. Venkateswara, 1974-78.

Prof. V. Parvatheswara, Rao, Department of Zoology, S.V.U. College of Arts and Sciences, Tirupati.

1563. Shankariah, K.
Study of environmental influences on some aspects of physiology of Barytelphusa querini. Osmania, 1978.

Dr. J.V. Ramana Rao, Reader, Department of Zoology, Osmania University, Hyderabad.

—*Chemical Stimuli*

1564. Bias Ratan.
Effect of carbon tetra chloride on the biochemical constituents of the blood and liver components of the rodents, Tetra indica Hardivicke (Indian gerbid) and Rattus Linnaeus (House rat) Gujarat, 1979.

Dr. M.S. Duble, Reader, Department of Zoology, Gujarat University, Ahmedabad.

1565. Chattopadhyaya, Kalpana.
Toxicity of some pesticides to fish and fish food organisms. Kalyani, 1973-79.

Dr. S.K. Konar, Reader, Department of Zoology, University of Kalyani, Kalyani.

1566. Deb, Gopa.
Effects of five amino acids on the chromosomes in metotic and meiotic cells of some animals. Kalyani, 1973-79.

Dr. A.K. Bhattacharyya, Reader, Department of Zoology, University of Kalyani, Kalyani.

1567. Devendra Mohan.
Studies on toxicity of few synthetic detergents on a fresh water fish, Mystus vittatus (Ham). Meerut, 1975-79.

Dr. S.R. Verma, Department of Zoology, D.A.V. College, Muzaffarnagar.

1568. Pendhorkar, Vidya.
Studies on the effect of some drugs on the hematopoetic system of Guinea pig. Bhopal, 1979.

Prof. R.C. Chourasia, Head, Department of Zoology, Motilal Vigyan Mahavidyalaya, Bhopal.

*1569. Sadhukhan, Subhas Chandra.
Effect of barbiturate on the hypothalamoneurohypophyseal system, thyroid, adrenal and testis in the garden lizard, Calotes versicolor. Burdwan, 1975-78.

Prof. Deb Kumar Choudhuri, Head, Department of Zoology, University of Burdwan, Burdwan.

Dr. Samir Kumar Banerjee, Deputy Director, Institute of Science Education, University of Burdwan, Burdwan.

1570. Sardana, Nirmal.
Effect of some amino acids and nitrogenous bases on the ovarian growth of Anabas testudineus (Bloch). Patna, 1979.

Dr. N.K. Mishra, Lecturer, Department of Zoology, Patna University, Patna.

1571. Sharma, Madan Mohan.
Effect of some antifertility substances on the testicular and sex accessory functions of the rabbit. Rajasthan, 1973-78.

Dr. D. Jacob, Lecturer, Department of Zoology, University of Rajasthan, Jaipur.

1572. Srivastava, B.B.L.
Studies on the effect of chemosterilants on Drosophila melanogaster (Meign). Allahabad, 1966-78.

Dr. A.N. Chattoraj, Reader, Department of Zoology, University of Allahabad, Allahabad.

1573. Wadhwani, Kaushilya.
Change in susceptibility of Dacus cucurbitae to insecticides. Aligarh, 1969-78.

Prof. N.H. Khan, Department of Zoology, Aligarh Muslim University, Aligarh.

Biophysics

1574. Adhvaryu, Siddarth Gangashanker.
Autoradiographic and cytochemical studies on effects of some antibiotics and antimetabolites on cells. Gujarat, 1973-79.

Prof. V.C. Shah, Head, Department of Zoology, Gujarat University, Ahmedabad.

1575. Bejal, Kumkum.
Biochemical and histopathological effects of external irradiation on small intestine of mammals. Rajasthan, 1974-78.

Dr. P.N. Srivastava, Department of Zoology, University of Rajasthan, Jaipur.

1576. Godhia, P.K.
Effects of level radiation on some cells and tissues

of birds. The biochemical and histochemical studies on some enzymes and metabolities of pigeons following irradiation. Gujarat, 1979.

Prof. V.C. Shah, Head, Department of Zoology, Gujarat University, Ahmedabad.

1577. Mukhopadhyay, Rita.
Effect of gamma rays on the interaction of DNA and DNP with carcinogens and anticarcinogens. Jawaharlal Nehru, 1972-78.

Dr. (Mrs.) Anjali Mookerji, School of Life Sciences, Jawaharlal Nehru University, New Delhi.

1578. Srinivasan, R.
Spectroscopic studies on oysters and force fields of polyatomic molecules. Annamalai (Physics) 1973-78.

Prof. K. Ramaswamy, Head, Department of Physics, Annamalai University, Annamalainagar.

Biochemistry

1579. Chattopadhyay, Ramdas.
Studies on nuclear histones and acidic proteins of brain in different animal species. Calcutta, 1978.

1580. Deshpande, Vijay.
Biochemistry of the thyroid gland of the buffaloe. Osmania, 1979.

Prof. L.K. Ramachandran, Head, Department of Biochemistry, Osmania University, Hyderabad.

1581. Godiparthi, N.R.
Biochemical studies on the vertebrate lens. Gujarat, 1979.

Dr. U.M. Raval, Lecturer, Department of Zoology, Gujarat University, Ahmedabad.

1582. Gupta, Basudeo Prasad.
Effect of dietary fat on lipid level in different tissues of albino rats. Allahabad, 1973-79.

Dr. (Mrs.) Radha Pant, Reader, Department of Biochemistry and Home Science, University of Allahabad, Allahabad.

1583. Nandi, Jayashree.
Molecular forms, comparative structural characteristics and genetic implications of hemoglobins in local wild murines. Poona (Chemistry) 1975-78.

Dr. John Barnabas, Department of Chemistry, Ahmednagar College, Ahmednagar.

1584. Natu, Shanker Madhav.
Purification and characterization of cardiac protein antigens of rat heart. Lucknow, 1976-79.

Dr. Abhay Kumar.

1585. Oommen, Anna.
Metabolic studies in the central nervous system : The metabolism and functions of monoamines in the mammalian central nervous system. Madras, 1975-79.

Dr. A.S. Balasubramanian, Neurochemistry Laboratory, Department of Neurological Sciences, Christian Medical College and Hospital, Vellore.

1586. Rao, G.N.
Biochemical studies on the vertebrate lens. Gujarat, 1979.

Dr. I.G. Vashi, Reader, Department of Chemistry, Gujarat University, Ahmedabad.

1587. Rao, Ramananda Das.
Biochemical and technological aspects of the utilization of Otolithus argenteus. Bombay, 1975-78.

Dr. N.K. Valankar, Central Institute of Fisheries Education, Varsova, Bombay.

1588. Sreekrishna, K.
Vitamin A carrier plasma proteins : Physicochemical and comparative aspects. I.I.Sc., Bangalore, 1973-78.

Prof. H.R. Cama, Department of Biochemistry, Indian Institute of Science, Bangalore.

1589. Suman Kumar.
Studies on insect biochemistry. Allahabad, 1975-79.

Dr. (Mrs.) Radha Pant, Reader, Department of Biochemistry and Home Science, University of Allahabad, Allahabad.

1590. Tiwari, N.P.
Studies on calciton in cells, parathyroid and ultimobranchial body of certain vertebrates. Gorakhpur, 1979.

—*Enzymes*

1591. Dinesh Chandra.
Soluble esterases in the tissues of Prodenia litura Fabricius. Bihar, 1979.

Dr. B.S. Lal, PL-480 Research Laboratory, Department of Zoology, L.S. College, Muzaffarpur.

1592. Fawade, Madhukar Marutirao.
Tissue levels of acid and alkaline phosphatases and mixed function oxidases during pesticide intoxication. Marathwada, 1979.

Prof. S.S. Pawar, Department of Chemistry, Marathwada University, Aurangabad.

1593. Ganapathy, V.
Studies on intestinal dipeptidases and dipeptide transport. Madras, 1974-78.

Prof. A.N. Radhakrishnan, Dean, School of Life Sciences, University of Hyderabad, Hyderabad.

1594. Jangle, Suresh Narayanrao.
Study of some liver enzymes of glycolytic pathway as affected by dietary changes. Marathwada, 1978.

Dr. (Mrs) I. Vaishwanar, Head, Department of Biochemistry, Medical College, Aurangabad.

1595. Kalyanam, Vasantha.
Preliminary studies on the lactate dehydrogenase in frog and toad muscles. Madras, 1974-79.

Prof. E.R B. Shanmugasundaram, Department of Biochemistry, A.C. College of Technology, Madras.

1596. Kanase, Aruna Appasaheb.
β-Glucusonidase in reproductive organs of some vertebrate seasonal breeders. Shivaji, 1979.

Prof. A.T. Varute, Head, Department of Zoology, Shivaji University, Kolhapur.

1597. Nag, Sumitra.
Biochemical studies on spermatozoal enzymes. Calcutta, 1979.

1598. Subramoniam, N. Appian.
Studies on rat intestinal alkaline phosphatase with special reference to nutritional deficiencies. Baroda, 1975-79.

Prof. C.V. Ramkrishnan, Head, Department of Biochemistry, M.S. University of Baroda, Baroda.

1599. Yadav, Raj Narain Singh.
Age related changes in the enzymes of various tissues of rats : Alterations, induction and kinetics of isocitrate dehydrogenase. Banaras, 1977-79.

Dr. S.N. Singh, Lecturer, Department of Zoology, Banaras Hindu University, Varanasi.

—*Vitamins*

1600. Bhat, M. Krishna.
Studies on control of systemic distribution and metabolism of vitamin A and thyroid hormone in chickens. I.I.Sc., Bangalore, 1975-79.

Prof. H.R. Cama, Department of Biochemistry, Indian Institute of Science, Bangalore.

1601. Goswani, Umesh Chandra.
Vitamin A in fresh water fish. Gauhati, 1974-79.

Dr. A.B. Barua, Reader, Department of Chemistry, Gauhati University, Gauhati.

—*Biosynthesis*

1602. Bhat, K. Shivashankara.
Stu lies on the regulation of the biosynthesis of rat liver microsomal cytochrome P-450. I.I.Sc., Bangalore, 1974-79.

Prof. G. Padmanabhan, Department of Biochemistry, Indian Institute of Science, Bangalore.

1603. Bhat, Narayan Rama.
Studies on acute control of lipogenesis in chicken liver by cyclic-3', 5-AMP. I.I Sc., Bangalore, 1973-78.

Dr. S. Krishnamurthy, Asstt. Prof., Department of Biochemistry, Indian Institute of Science, Bangalore.

1604. Jayaraman, K.
Synthesis of deoxyribooligonucleotides and their use in biochemical and immunological studies. I.I.Sc., Bangalore, 1975-79.

Prof. T.M. Jacob, Department of Biochemistry, Indian Institute of Science, Bangalore.

1605. Prasad, M.S.K.
Studies on prolactin : Biosynthetic and functional aspects. I.I.Sc., Bangalore, 1973-79.

Prof. P.R. Adiga, Department of Biochemistry, Indian Institute of Science, Bangalore.

Pathology

1606. Sharma, V.P.
Studies on the genetic control of mosquitoes. *D.Sc.* Allahabad, 1979.

Prof. U.S. Srivastava, Head, Department of Zoology, University of Allahabad, Allahabad.

1607. Tiwari, Laxmi Dutt.
Studies on the pathophysiology of certain insects susceptible to Bacillus thuringiensis Beruiwer. Jiwaji, 1975-79.

Prof. K.N. Mehrotra, Head, Division of Entomology, Indian Agricultural Research Institute, New Delhi.

Immunology

1608. Senapathy, P.
Antibodies to isopentenyl adenosine : Characterization, purification and applications. I.I.Sc., Bangalore, 1973-79.

Prof. T M. Jacob, Department of Biochemistry, Indian Institute of Science, Bangalore.

1609. Shivdekar, D.S.
Studies on possibility of developing thermoresistant new cattle disease vaccine. Vikram, 1975-78.

Dr. H. Swaroop, Vice-Chancellor, Jiwaji University, Gwalior.

1610. Tandon, Hari Om.
An experimental study of the immune response against Coxsackie virus. Lucknow, 1969-78.

Dr. P.D. Gupta, Department of Zoology, University of Lucknow, Lucknow.

1611. Viveka Vardhan, V.
Study on cell mediated immunity during experimental ancylostomiasis. Vikram, 1977-79.

Dr. G.N. Johari, Department of Zoology, Vikram University, Ujjain.

Development & Maturation

1612. Balasoundara Rajan, V.
Erythropoiesis during adaptive growth. Madras, 1973-79.

Dr. N. Padmanabhan, Department of Physiology, Madurai Medical College, Madurai.

Embryology

1613. Gokhale, Vrinda Anant.
Studies on the mechanism of action of urethane in the chick embryos cultivated in vitro. Poona, 1973-78.

Prof. (Mrs.) Leela Mulherkar, Head, Department of Zoology, University of Poona, Pune.

1614. Karim, Kamar Banu.
Embryology of some Indian chiroptera. *D.Sc.* Nagpur, 1978.

1615. Katdare, Sharad Moreshwar.
In vitro studies on the effects of actinomycin D on the morphogenesis of chick embryos in understanding the mechanism of its action. Poona, 1968-78.

Prof. (Mrs.) Leela Mulherkar, Head, Department of Zoology, University of Poona, Pune.

1616. Siddiqi, Manzoor Ahmad.
Embryology of Chrologonus trachypterus Blanchad : A pest of cotton seedlings. Aligarh, 1973-78.

Dr. Moin Farooqui, Reader, Department of Zoology, Aligarh Muslim University, Aligarh.

1617. Wadekar, Gauri Gopal.
Effects of cytochalasin H on the developing embryos of frog, Microhyla ornata. Poona, 1974-79.

Prof. (Mrs.) Leela Mulherkar, Head, Department of Zoology, University of Poona, Pune.

Aging

1618. Sarangi, S.K.
Regulatory changes in tryptophan pyrrolase, arginase and ornithine aminotransferase during aging of rats. Banaras, 1976-79.

Dr. S.K. Patnaik, Lecturer, Department of Zoology, Banaras Hindu University, Varanasi.

1619. Thakur, Mahendra Kumar.
Biochemistry of aging : Modifications of chromosomal proteins of the brain of the rat. Banaras, 1976-79.

Prof. M.S. Kanungo, Department of Zoology, Banaras Hindu University, Varanasi.

Anatomy & Morphology

Circulatory Organs

1620. Dubey, Vimla.
Neurohistological, histochemical and biochemical studies on the cardiac tissue of some fres-hwater fishes. Jiwaji, 1975-79.

Dr. (Mrs.) Asha Mathur, Department of Zoology, K.R.G. College, Gwalior.

1621. Verma, Pratibha.
Studies on the blood cells of certain insects and effect of hormones on the post-embryonic changes in it. Allahabad, 1970-79.

Prof. U.S. Srivastava, Head, Department of Zoology, University of Allahabad, Allahabad.

Respiratory Organs

1622. Abdul Hakim.
Morphometry of the respiratory organs of certain Indian fresh-water fishes. Bhagalpur, 1978.

1623. Laliwal, S.M.
Functional anatomy of respiratory organs of certain arachnids. Gujarat, 1974-78.

Dr. A.B. Vyas, Lecturer, Department of Zoology, Gujarat University, Ahmedabad.

Nutritive & Metabolic Organs

1624. Bhide, Sudha Anand.
Studies on the alimentary canal of some Indian bats. Nagpur, 1975-79.

Dr. A. Gapalakrishna, Director, Institute of Science, Nagpur.

1625. Huda, Syed Mozaffarul.
Histochemical study of the digestive system of Hemidactylus flaviviridis Ruppel. Patna, 1979.

Prof. R.K. Sharan, Head, Department of Zoology, Patna University, Patna.

1626. Naseema Nazar.
Histochemical study of alimentary canal of some insects. Patna, 1978.

Prof. R.K. Sharan, Head, Department of Zoology, Patna University, Patna.

*1627. Ray, Arun Kumar.
Studies on the functional morphology, anatomy and histophysiology of the digestive system in relation to food and feeding habits in some Indian fresh water perches. Burdwan, 1975-79.

Prof. Sankar Kumar Moitra, Department of Zoology, University of Burdwan, Burdwan.

1628. Singh, Sheei Vant.
Morphology of the alimentary canal of certain insects and the effect of hormones on postembryonic changes in it. Allahabad, 1971-78.

Prof. U.S. Srivastava, Head, Department of Zoology, University of Allahabad, Allahabad.

1629. Das, Sudhir Chandra.
A study of the neurosecretory cells in the ventral nerve cord of leach, Hirudinaria granulosa with special reference to their behaviour during breeding season. Patna, 1979.

Dr. N.K. Mishra, Lecturer, Department of Zoology, Patna University, Patna.

1630. Gangopadhyaya, Jayasri.
Effect of population stress on the histophysiology of avian endocrine organs. Calcutta, 1979.

1631. Ganguly, Arvind.
Studies on the adrenal glands of immature and senile common Indian fowl. Patna, 1979.

Dr. S.A. Ahsan, Reader, Department of Zoology, Patna University, Patna.

1362. Mariappagoudar, Basanagouda Yallappagouda.
Studies on the adrenals and the gonads of Calotes versicolor Daud, Hemidactylus flaviviridis Ruppel and some other reptiles with reference to steroidogenic cellular sites. Karnatak, 1978.

Dr. V.B. Nadkarni, Reader, Department of Zoology, Karnatak University, Dharwad.

1633. Muthayya, N.M.
Pineal gland and raphe nuclear groups in the adenohypophyseal gonadotropin secretion : A histochemical study. Madurai (Medicine) 1970-78.

Dr. (Mrs.) S. Parvathy Devi, Dean, Madurai Medical College, Madurai.

1634. Naskar, Satyaranjan.
Studies on some aspects of the neuroendocrine system of adult cyclorrhaphous Diptera, Chrysomia megacephalo (Calliphoridae). Calcutta, 1979.

1635. Sinha, Madan Prasad.
Neurosecretion in male Dysdercus koenigei. Patna, 1978.

Dr. S.L. Sahni, Department of Zoology, Science College, Patna.

1636. Veena Kumari.
Ultrastructure and related studies of thyroid gland in health and disease. Banaras, 1974-79.

Prof. K.N. Udupa, Department of Surgery, Institute of Medical Sciences, Banaras Hindu University, Varanasi.

Reproductive Organs

1637. Madhu Rani.
Histological, histochemical and biochemical changes in gonads of a few teleosts through the seasons. Meerut, 1976-78.

Dr. R.C. Dalela, Head, Department of Zoology, D.A.V. College, Muzaffarnagar.

1638. Pal, Anadinath Nagendranath.
Studies on the male accessory reproductive organs in some Indian bats. Nagpur, 1972-78.

Prof. K.V.R. Murthy, Head, Department of Zoology, Institute of Science, Nagpur.

1639. Pathak, D.N.
Anatomical, histological and histochemical studies of the reproductive system of certain reptiles. Bhopal, 1978.

Dr. M.A. Qayyum, Head, Department of Zoology, Saifia College, Bhopal.

1640. Sengupta, Rita.
Comparative study of the internal reproductive organs in male and female crab, Scylla serrata Forskal. Calcutta, 1978.

1641. *Gantayat, Sarathi Charan.*
Studies on some aspects of collagen characteristics in the skin and muscle of the fresh water teleost, Ophiocephalus punctatus Bloch. Berhampur, 1975-79.

Dr. B.K. Patnaik, Reader, Department of Zoology, Berhampur University, Berhampur.

1642. Goswami, Binaykumar.
Studies on the functional morphology of the cranial muscles of some common Indian cyprinid fishes. Calcutta, 1978.

1643. Goyal, Asha.
Studies on the skeleto-muscular system of the common Indian ant, Camponotus compressus Fabr. and bionomics of some ants from Delhi. Delhi, 1977-79.

Dr. H.P. Vishnoi, Reader, Department of Zoology, University of Delhi, Delhi.

1644. Sreeramulu, N.
Studies on the nature and chemical composition of selected arthropod and molluscan endoskeletal structures. Venkateswara, 1974-78.

Dr. R. Ramamurthy, Reader, Department of Zoology, S.V.U. College of Arts and Science, Tirupati.

Nervous System & Sense Organs

1645. Garg, Darshana.
Histological and histochemical studies on the central nervous system of arachnids. Panjab, 1975-78.

Prof. G.P. Sharma, Department of Zoology, Panjab University, Chandigarh.

1646. Joneja, Suksham.
Histochemical studies on hypothalamo endocrine gonadal interaction in common spotted owlet. Meerut, 1971-79.

Dr. S.C. Agarwal, Department of Zoology, Meerut College, Meerut.

1647. Lahiri, Brajakishor.
Contribution to the study of the comparative morphology of the brain of some gobioid fishes in relation to habit and habitat. Calcutta, 1978.

*1648. Raghu Ramulu, G.
Studies on the nervous system of some platyhelminthes. Kakatiya, 1976-79.

Dr. L. Narasimha Rao, Lecturer, Department of Zoology, Kakatiya University, Warangal.

1649. Rastogi, Veer Bala.
Studies on the brain and cranial nerves of certain fresh-water teleostean fishes. Meerut, 1975-78.

Dr. V.P. Agarawal, Department of Zoology, D.A.V. College, Muzaffarnagar.

1650. Sharma, Dhirendra.
Studies on the protocephalic neurosecretory pathway and neurosecretory cells of suboesophageal nerve mass and ventral ganglia in Rhyzida longipes (Newport). Meerut, 1974-79.

Dr. Surendra Sharma, Head, Department of Zoology, M.S. College, Saharanpur.

1651. Singh, Indira.
Studies on the nervous system of aestivating Pila globosa. Bangalore, 1973-78.

Dr. Nayeemunnisa, Lecturer, Department of Zoology, Bangalore University, Bangalore.

1652. Singh, Manju.
Studies on the nervous system of certain insects with special reference to changes during metamorphosis. Allahabad, 1975-79.

Dr. Y.N. Singh, Lecturer, Department of Zoology, University of Allahabad, Allahabad.

Ecology

1653. Bhattacharjee, Parimal Chandra.
Ecology of Achatina (Lissachatina) fulica (Bowdich) : Distribution in Gauhati. Gauhati, 1973-78.

Dr. T.C. Deka, Reader, Department of Zoology, Gauhati University, Gauhati.

1654. Keshava Murthy, P.
Seasonal migrations in earthworms in relation to soil composition. Bangalore, 1974-79.

Dr. M.D. Parthasarathy, Department of Zoology, Bangalore, University, Bangalore.

1655. Mohamed Kasim, H.
Ecophysiological studies on fry and fingerlings of some fresh-water fishes with special reference to temperature tolerance. Madurai, 1974-79.

Dr. M.N. Kutty.

1656. Mohana Rao, A.M.K.
Studies on some ecological aspects of the Indian field mouse, Mus booduga, Gray. Venkateswara, 1974-78.

Dr. B. Raja Bai Subba Rao, No. 43, Thirumangalam Road, Ramakrishnapuram, Villivakam, Madras.

1657. Ponniah, V. Geethanand.
Ecophysiological studies on chosen thermoconformer, (Macropodus). Madurai, 1974-78.

Dr. T.J. Pandian, Reader, School of Biological Sciences, Madurai Kamaraj University, Madurai.

1658. Qamar Majeed.
Studies on the effect of ecological factors on Crastsimargus trasversus Humberg. Aligarh, 1974-78.

Dr. S.A. Aziz, Reader, Department of Zoology, Aligarh Muslim University, Aligarh.

1659. Sharma, G.P.
Ecological studies on the lower lake of Bhopal with special reference to primary productivity. Bhopal, 1979.

Dr. G.P. Bhatnagar, Lecturer, School of Biological Sciences, Bhopal Vishvavidyalaya, Bhopal.

1660. Singh, Udaya Nand.
Studies on the ecological relationship of the aquatic insects found in Karasia and Motijheel lakes of East Champaran Districts. Magadh, 1976-78.

Prof. S.B. Singh, Head, Department of Zoology, Magadh University, Bodh-Gaya.

1661. Zacharias, V.J.
Ecology and biology of certain species of Indian babblers, Turdoides spp. in Malabar. Calicut, 1974-79.

Dr. D.N. Mathew, Lecturer, Department of Zoology, University of Calicut, Calicut.

Synecology

*1662. Kameswari, M.
Studies on some biochemical and physiological aspects of host-parasite relationship in Rana tigrina and Calotes versicolor with reference to helminth infection. Kakatiya, 1978.

Prof. Shyam Sunder Sinha, Department of Zoology, Osmania University, Hyderabad.

1663. Kondaiah, S.
Impact of host-parasite relationship on nitrogen metabolism of the host. Venkateswara, 1974-78.

Dr. P. Venkateswara Rao, Lecturer, Department of Zoology, S.V.U. College of Arts and Sciences, Tirupati.

1664. Nandi, Nepalchandra.
Blood parasites of Indian avifauna. Calcutta, 1978.

1665. Priyadarshini, Davindar.
Synecological studies on specialized nectar feeding birds and bird flowers in the Nilgiris. Bombay, 1975-79.

Dr. Salim Ali, Bombay Natural History Society, Bombay.

Economic Zoology

1666. Onkar Singh.
Studies on the control of gastropods causing damage to crops and livestock in Eastern Uttar Pradesh. Gorakhpur, 1979.

1667. Sharma, Lalit Shyam.
Investigation on the varietal susceptibility, pesticide residue and the management of bruchids, the major pest of stored pulses. Rajasthan, 1975-78.

Prof. S.C. Saxena, Head, Department of Zoology, University of Rajasthan, Jaipur.

Cytology

1668. Kumaraswamy, K.R.
Contributions to the cell biology of Orthoptera. Mysore, 1978.

1669. Venkat Reddy, P.
Cytological studies in the helminth parasites of vertebrates. Osmania, 1979.

Dr. S. Subramanyan, Reader, Department of Genetics, Osmania University, Hyderabad.

1670. Ansari, Helal Ahmad.
Avian chromosomes. Allahabad, 1973-79.

Dr. (Miss) Dipika Kaul, Department of Zoology, University of Allahabad, Allahabad.

1671. Bhatnagar, V.S.
Structure and behaviour of mammalian chromosomes. Allahabad, 1965-79.

Ex. Prof. M.D.L. Srivastava.

1672. Chiplonkar, J.M.
Studies on chromosomes of mosquito cell lines. Poona, 1975-78.

Dr. U.V. Wagh, Dy. Director, Virus Research Centre, 20-A, Dr. Ambedkar Road, Pune.

1673. Enayetur Rahman.
Cytogenetical studies on some amphibians from the Indian subcontinent. Panjab, 1975-79.

Prof. G.P. Sharma, Department of Zoology, Panjab University, Chandigarh.

1674. Nakhasi, Usha Kumari.
Karyological studies on some Indian reptiles. Panjab, 1974-78.

Prof. G P. Sharma, Department of Zoology, Panjab University, Chandigarh.

1675. Sood, Veena Bala.
Karyological studies on some Indian chrysomelids. Panjab, 1976-79.

Prof. G.P. Sharma, Department of Zoology, Panjab University, Chandigarh.

INVERTEBRATES

Protozoa

1676. Chandra, Asit Kumar.
Morphology, taxonomy and population density of the opalinid fauna from anuran amphibians in West Bengal. Calcutta, 1978.

*1677. Dayakar, P.
Studies on bird Protozoa. Kakatiya, 1977-79.

Dr. T. Bhaskar Rao, Reader, Department of Zoology, Kakatiya University, Warangal.

1678. Hanumanthaiya, V.
Survey of free-living Amoebae of soil, fresh water, sewage sludge and other substrates and their pathogenecity to laboratory animals. Kanpur, 1979.

Dr. V.N. Singh, Department of Microbiology, Central Drug Research Institute, Lucknow.

1679. Jindal, Bimal Roy,
Studies on biological, pathological and immunological characteristics of Amoebae causing amoebiasis in Macaca mulatta. Meerut, 1979.

Dr. D.P. Goyal, Department of Zoology, M.S. College, Saharanpur.

1680. Mahajan, Krishan Kumar.
Faunal survey and ecology of freshwater ciliated Protozoa of Western Himalayas. Meerut, 1974-78.

Dr. V.P. Agarwal, Department of Zoology, D.A.V. College, Muzaffarnagar.

1681. Saratchandra, Beera.
Studies on protozoan parasites of reptiles of Andhra Pradesh. Andhra, 1979.

Dr. C.C. Narasimhamurty, Reader, Department of Zoology, Andhra University, Waltair.

1682. Vatsal Rao, K. Bhakta.
Studies on the parasitic protozoa of fresh water fishes of Andhra Pradesh. Osmania, 1979.

Dr. S.S. Qadri, Department of Zoology, Osmania University, Hyderabad.

Hydrozoa

1683. Venugopal, G.
Role of RNA in the regeneration process in Hydra. Jawaharlal Nehru, 1972-78.

Prof. Sivatosh Mookerjee, Head, School of Life Sciences, Jawaharlal Nehru University, New Delhi.

Mollusca

Pelecypoda

1684. Anisa Banu
Studies on the histology and histochemistry of foot and shell in some byssus bearing Pelecypods. Andhra, 1978.

Dr. K. Syamasundari, Reader, Department of Zoology, Andhra University, Waltair.

1685. Biradar, Mallikarjun Kalyanrao.
Studies on physiology of respiration in fresh water mussel, Parreysia. Marathwada, 1978.

Prof. R. Nagabhushanam, Head, Department of Zoology, Marathwada University, Aurangabad.

Gastropoda

1686. Ghosh, Gaurpada.
Neural pattern and neurosecretory activities in some common Indian gastropods. Calcutta, 1979.

1687. Krupanidhi, S.
Studies on the properties of the blood of the garden snail, Cryptozonena ligulata (Ferussac) with special reference to aestivation. Venkateswara, 1976-79.

Dr. B. Padmanabha Naidu, Lecturer, Department of Zoology, S.V.U. College of Arts and Sciences, Tirupati.

1688. Pavan Kumar, T.
Studies on locomotory and physiological rhythms in the slug, Laevicaulis alte (Ferussac, 1821). Venkateswara, 1972-78.

Dr. K. Sasira Babu, Reader, Department of Zoology, S.V.U. College of Arts and Sciences, Tirupati.

1689. Ramanaiah, G.V.
Aspects of neuroendocrine control of metabolism in the slug, Laevicaulis alte. Venkateswara, 1968-79.

Dr R. Ramamurthy, Reader, Department of Zoology, S.V.U. College of Arts and Sciences, Tirupati.

Worms

*1690. Bandyopadhyay, Sib Sankar.
Interaction between soil factors and soil dwelling oribatid population of West Bengal. Burdwan, 1976-78.

Dr. Subrata Roy, Reader, Department of Zoology, University of Burdwan, Burdwan.

1691. Gupta, Ramesh Chandra.
Helminth parasites of fishes. Lucknow, 1973-78.

Dr. S.P. Gupta, Reader, Department of Zoology, University of Lucknow, Lucknow.

1692. Johri, J.N.
Studies on the morphology and systematics of helminth parasites. Garhwal, 1976-79.

Dr. M.B. Lal, Department of Zoology, D.A.V. College, Dehradun.

1693. Madhu Bala.
Morphological and cytochemical studies on the gonads and associated structures of some parasitic helminths. Panjab, 1974-78.

Dr. (Mrs.) Usha Kanwar, Reader, Department of Zoology, Panjab University, Chandigarh.

Cestoidea

1694. Jha, Yogendra Nath.
Morphology and taxonomy of certain cestodes. Awadhesh Pratap, 1978.

Dr. G.P. Jain, Head, Department of Zoology, Government Science College, Rewa.

1695. Malhotra, S.K.
Morphology and taxonomy of cestodes from vertebrate hosts from Garhwal Region. Garhwal, 1976-79.

Dr. H R. Singh, Department of Zoology, Birla College, Srinagar.

1696. Srivastav, Ashok Kumar.
Morphology and taxonomy of cestodes from vertebrate hosts. Allahabad, 1974-78.

Dr. V.N. Capoor, Lecturer, Department of Zoology, University of Allahabad, Allahabad.

Trematoda

1697. Agarwal, Madhavi.
Studies on biology of trematodes of poikilothermic vertebrates. Lucknow, 1975-79.

Prof. (Mrs.) Prem Vati Gupta, Department of Zoology, University of Lucknow, Lucknow.

1698. Gandhi, Annam.
Studies on digenetic trematodes of birds of Visakhapatnam, Andhra Pradesh. Andhra, 1979.

Prof. K. Hanumantha Rao, Department of Zoology, Andhra University, Waltair.

1699. Gaur, Amar Singh.
Studies on some physiological aspects of Clinostomum complanatum (Trematoda : Clinostomatidae). Ravishankar, 1978.

Dr. S.M. Agarwal, Head, Department of Zoology, Govt. College of Science, Raipur.

1700. Gupta, Prem Chandra.
Studies on helminthology : Trematode parasites of birds. Kanpur, 1978.

1701. Khan, Mohammad Ayyub Mohammed Khwaja.
Studies on the trematode parasites of fishes of Maharashtra. Marathwada, 1979.

Dr. P.P. Karyakarte, Reader, Department of Zoology, Marathwada University, Aurangabad.

1702. Lal, Anil Kumar.
Studies on the digenetic trematodes of some vertebrates and haematological investigations on Hemidactylus flaviviridis and Columba livia carrying cestode infections. Patna, 1979.

Dr. Devendra Prasad, Reader, Department of Zoology, Patna University, Patna.

1703. Mishra, Akhandpratap.
Morphology, systematics and gametogenesis of digenetic trematodes. Awadhesh Pratap, 1979.

Dr. G.P. Jain, Head, Department of Zoology, Govt. Science College, Rewa.

1704. Nellaiappan, K.
Studies on physiology and biology of hemiurid trematodes of marine fishes with special reference to 'egg' formation. Madras, 1974-79.

Prof. K. Ramalingam, Head, Department of Zoology, University of Madras, Madras.

1705. Sharma, Som Kumar.
Studies on some cercariae of Lucknow District, Uttar Pradesh. Lucknow, 19 6-78.

Prof. (Mrs.) Prem Vati Gupta, Department of Zoology, University of Lucknow, Lucknow.

1706. Singh, Kiran.
Histological and histochemical studies of some intestinal trematodes. Awadhesh Pratap, 1978.

Dr. J.N. Saxena, Principal, Government College, Dindori.

Turbellaria

1707. Rama Krishna Rao, Sunkari.
Studies on polyclad turbellarians of Visakhapatnam Coast. Andhra, 1979.

Prof. K. Hanumantha Rao, Department of Zoology, Andhra University, Waltair.

Annelida

1708. Srinivasa Rao, Duggaraju.
Systematics and ecology of intertidal annellidan polychaetes in Vasish-to-Gadavari Estuary. Andhra, 1979.

Dr. D.V. Rama Sarma, Reader, Department of Zoology, Andhra University, Waltair.

Rotifera

1709. Chaudhary, Indra.
Anatomical studies on rotifers. Panjab, 1974-79.

Prof. H.S. Vasisht, Head, Department of Zoology, Panjab University, Chandigarh.

1710. Surya Dhanapathi, Marepalli Venkata Subrahmanya Satya. Systematics and some aspects of ecology of the fresh water rotifera from Andhra Pradesh, India. Andhra, 1978.

1711. Khan, Mohammad Sultan Shameem.
Studies on the nematode parasites of reptiles and birds. Marathwada, 1979.

Dr. P.G. Deshmukh, Reader, Department of Zoology, Marathwada University, Aurangabad.

1712. Narsi Reddy, Y.
Studies on the biology, life history and systematics of some entomophilic nematodes. Osmania, 1979.

Prof. P. Narayana Rao, Department of Zoology, Osmania University, Hyderabad.

1713. Prasad, J S.
Pathogenicity and population dynamics of the root-lesion nematode, Pratylenchus indicus Das in rice. Utkal, 1979.

Dr. Y.S. Rao, Nematologist, Central Rice Research Institute, Cuttack.

1714. Sajida Begum.
Studies on the plant parasitic nematodes and the nematodes found in the soil around the roots of plants. Marathwada, 1978.

Dr. M.N. Farooqui. Reader, Department of Zoology, Marathwada University, Aurangabad.

*1715. Sinha, Jitendra Nath.
Analysis of some factors of the invasive stage of *Trichinella spiralis* (Nematoda : Trichinellidae) with a note on the inoculation experiment. Burdwan. 1976-78.

Prof. Giridhari Majumdar, Department of Zoology, University of Burdwan, Burdwan.

1716. Tagade, Ambadas Maroti.
Studies on helminth parasites of vertebrates especially nematodes from Maharashtra. Marathwada, 1978.

Dr. S.D. Kalyankar, Lecturer, Department of Zoology, Marathwada University, Aurangabad.

1717. Venkatesh Naidu, T. Suresh.
Studies on the nematode parasites of vertebrates of Vidarbha Region. Nagpur, 1975-78.

Prof. V.K. Thakre, Head, Department of Zoology, Nagpur University, Nagpur.

Crustacea

1718. George, Susan.
Studies on Amphipods, Crustacea of Visakhapatnam. Andhra, 1978.

Prof. K. Hanumantha Rao, Department of Zoology, Andhra University, Waltair.

1719. Ranga Reddy, Y.
Studies on systematics and ecology of free living fresh water copepods of Guntur and its environs, Andhra Pradesh, India. Nagarjuna, 1972-78.

Prof. Y. Radhakrishna, Head, Department of Zoology, Nagarjuna University, Nagarjunanagar.

Decapoda

1720. Erri Babu, Dangeti.
Studies on Menippe rumphi (Fabricius) (Crustacea : Brachyura) from Waltair Coast. Andhra, 1979.

Dr. K. Syamasundari, Reader, Department of Zoology, Andhra University Waltair.

1721. Jalihal, D.R.
Studies on the fresh water prawns of the Dharwar Area. Karnatak, 1978.

Dr. K.N. Sankolli, Research Officer, Taraporewala Marine Biological Research Station, Bombay.

1722. Lalita Devi, S.
Biology, ecology and ethology of the pea crab, Pinnotheires placenae (Southwell and Harnell). Andhra, 1979.

Prof. K. Hanumantha Rao, Department of Zoology, Andhra University, Waltair.

1723. Raghaviah, K.
Aspects of neuroendocrine control of nitrogen metabolism of the fresh water field crab, Paratelphusa hydrodromous Herbst. Venkateswara, 1974-78.

Dr. R. Ramamurthy, Reader, Department of Zoology, S.V.U. College of Arts and Sciences, Tirupati.

1724. Senthikumar, N.S.
Biological and biochemical studies of some edible crabs of Saurashtra. Saurashtra, 1974-79.

Dr. K.M. Desai, Reader, Department of Bio-Sciences, South Gujarat University, Surat.

Arachnida

1725. Biswas, Bijan Kumar.
Studies on spider, fauna of Calcutta and vicinity. Poona, 1976-79.

Dr. B.K. Tikader, Joint Director, Zoological Survey of India, Western Regional Station, 1182/2, Fergusson College Road, Pune.

Insecta

1726. Jeysingam, Tagore.
Biology of the aquatic insects. Madurai, 1973-78.

Prof. S. Krishnaswamy, School of Biological Sciences, Madurai Kamaraj University, Madurai.

Dermaptera

1727. Srikantappa, L.
Contributions to the chromosome biology of earwigs (Order : Dermaptera, Class : Insecta). Mysore, 1978.

Orthoptera

1728. Saxena, Usha.
Studies on the biology and morphology of Paranemobius pictus (Sauss) (Gryllidae, Orthoptera). Awadhesh Pratap, 1978.

Dr. M.N. Saxena, Principal, Government Girls College, Rewa, M.P.

1729. Shamshad Ali.
Ecology and biology of Acrida exalatata Walker. Aligarh, 1974-78.

Shri S.K.A. Rizvi, Lecturer, Department of Zoology, Aligarh Muslim University, Aligarh.

Hemiptera

1730. Sucheta.
Higher classification of Pentatomidae (Hemiptera : Heteroptera). Haryana Agrl., 1973-79.

Dr. N.P. Chopra, Assoc. Prof., Department of Entomology, Haryana Agricultural University, Hissar.

Homoptera

1731. Dash, Aditya Prasad.
Maize aphid, Rhopalosiphum maidis (Fitch) (Aphidoidea, Homoptera, Insecta). Utkal, 1979.

Prof. B.K. Behura, Head, Department of Zoology, Utkal University, Vani Vihar, Bhubaneswar.

1732. Gupta, Subhash Chander.
Karyology of some jassids (Homoptera : Jassidae). Jammu, 1975-79.

Dr. O.P. Sharma, Reader, Department of Bio Sciences, University of Jammu, Jammu.

Heteroptera

1733. Hari Dass, E.T.
Biological and ethological studies on some South Indian reduviids. Madras, 1974-79.

Dr. T.N. Ananthakrishnan, Department of Zoology, Loyola College, Madras.

*1734. Janaiah, C.
Studies on the scent glands of two pentatomid bugs, Tessaratoma javanica Thunberg and Chrysocoris purpureus Westw. Kakatiya, 1976-78.

Dr. N. Chari, Reader, Department of Zoology, Kakatiya University, Warangal.

1735. Swami, Chandrakanta.
Studies on the anatomy and physiology of the digestive organs in some Heteroptera. Saugar, 1978.

Prof. R.S. Saini, Head, Department of Zoology, University of Saugar, Sagar.

Coleoptera

1736. Bhattacharya, Saraswati.
Histological, histochemical and endocrinological studies on ovaries of Spidomorpha miliaries (Coleoptera : Chrysomelidae). Ravishankar, 1978.

Dr. K.K. Verma, Head, Department of Zoology, Govt. Arts and Science College, Durg.

1737. Biswas, Shyamrup.
A study of dung beetles (Coleoptera : Scarabacinae) of Meghalaya. Calcutta, 1979.

1738. Panwar, Vedpal Singh.
Seasonal studies of the infestation on certain varieties of maize by Chilo zonellus (Swinhoe). Agra, 1978.

Dr. Prakash Sarup, Division of Entomology, Indian Agricultural Research Institute, New Delhi.

1739. Parmjit Singh.
Studies on the chromosomes of certain Coleoptera in relation to their phylogeny. Meerut, 1975-79.

Dr. R.K. Kacker, Zoological Survey of India, Calcutta.

1740. Ray, Aparna.
Neuroendocrinological and cell-physiological studies of reproduction in some Indian Coleoptera. Banaras, 1974-79.

Dr. P.S. Ramamurthy, Reader, Department of Zoology, Banaras Hindu University, Varanasi.

1741. Sidhra, Dharam Vir.
Studies on anatomy, histology and histochemistry of some internal systems in the meloid beetle, Mylabris pustulata (Thunb) (Meloidae : Coleoptera). Nagpur, 1971-78.

Prof. V.K. Thakare, Head, Department of Zoology, Nagpur University, Nagpur.

Diptera

1742. Bakshi, Madhu.
On the study of gall midges (Cecidomyidae : Diptera) with special reference to cocoons. Allahabad, 1974-78.

Dr. (Miss) Prabha Grover, Lecturer, Department of Zoology, University of Allahabad, Allahabad.

1743. Dwivedi, Yateendra Nath.
Cytotaxonomy and cytogenetics of Indian drosophilids. Banaras, 1976-79.

Dr. J.P. Gupta, Lecturer, Department of Zoology, Banaras Hindu University, Varanasi.

1744. Grover, Prabha.
Studies on Indian gall midges (Cecidomyidae : Diptera). *D.Sc.* Allahabad, 1978.

Dr. S.N. Prasad, Reader, Department of Zoology, University of Allahabad, Allahabad.

1745. Khan, Fasihussain.
Analysis of housefly behaviour with regard to indifferent objects in the environment. Aligarh, 1974-78.

Prof. N.H. Khan, Department of Zoology, Aligarh Muslim University, Aligarh.

*1746. Mishra, R.C.
Studies on the biology and endocrinology of the honeybees, Apis sp. Himachal Pradesh Krishi, 1975-79.

Prof. G.S. Dogra, Department of Entomology, College of Agriculture, Solan.

1747. Pandya, Arvindkumar Prabhulal.
A survey of genus Phlebotomus and its ecology, its breeding in captivity, its ectoparasites, feeding habits and resistance to insecticides in Gujarat. Baroda, 1970-79.

Prof. A.K. Niyogi, 34-C, Raibahadur Road, Calcutta.

1748. Sharma, Radheshyam Murlidhar.
Studies on taxonomy on gall midges (Itonididae : Diptera) from Marathwada. Marathwada, 1978.

Dr. S.N. Rao, Reader, Department of Zoology, Marathwada University, Aurangabad.

Lepidoptera

1749. Mathur, Badri Nath.
Studies on castor hairy caterpillar, Euproctis lunata Walker (Lepidoptera : Lymantridae). Rajasthan, 1971-78.

Dr. Narayan Khattar, Department of Zoology, Govt. College, Ajmer.

Hymenoptera

1750. Khan, Mohammad Younus.
Taxonomic studies on some chalcidoid parasites (Hymenoptera) of insects. Aligarh, 1974-78.

Dr. S. Adam Shafee, Lecturer, Department of Zoology, Aligarh Muslim University, Aligarh.

1751. Raminder Kaur.
Taxonomic studies on the Indian species of the tribe Phytodietine, sub-family Tryphoninae (Hymenoptera : Ichneumonidae). Rajasthan, 1974-78.

Dr. O.N. Saxena, Lecturer, Department of Zoology, University of Rajasthan, Jaipur.

1752. Saini, Malkiat Singh.
External morphology of Tenthredo verticalissay (Tenthredinidae) and studies on major evolutionary trends among hymenopterans. Punjabi, 1975-78.

Prof. S.S. Dhillon, Head, Department of Zoology, Punjabi University, Patiala.

VERTEBRATES

Fishes

1753. Antony, A.D.
Systematics, ecology, bionomics and distribution of the hill stream fishes of Trichur District. Calicut, 1974-78.

Dr. C.T. Samuel, Lecturer, Department of Zoology, University of Calicut, Calicut.

1754. Bhupinder Singh.
Studies on the biology of Labeo dero (Ham) from the Nangal and Gobindsagar reservoirs. Panjab, 1976-79.

Dr. K.K. Tandon, Reader, Department of Zoology, Panjab University, Chandigarh.

1755. Deshmukh, Sarita Shrikrishna.
Toxicological studies on some fishes. Nagpur, 1973-78.

Dr. V.B. Marathe, Head, Department of Zoology, Institute of Science, Nagpur.

Teleostei

1756. Balasundar Reddy, Pyreddy.
Studies on the taxonomy of Indian species of family Channidae (Pisces, Teleostei) and some aspects of the biology of Channa punctata (Bloch, 1973) from Guntur, Andhra Pradesh. Andhra, 1978.

Prof. S. Dutt.

1757. Goel, Bharat Bhushan.
Histopathological and physiological studies on the effects of tannic acid and thioacetamide in the livers of Clarias batrachus and Ophiocephalus punctatus. Meerut, 1975-79.

Dr. V.P. Agarwal, Department of Zoology, D.A.V. College, Muzaffarnagar.

1758. Goel, H.R.
A comparative study of the feeding habits, brain and related receptors of a few teleost fishes. Meerut, 1974-79.

Dr. O.P. Saxena, Department of Zoology, M.M. College, Modinagar.

1759. Kaushik, Sadhana.
Histopathological and histochemical studies on the digestive system of Ophiocephalus punctatus and Clarias batrachus treated with acetyl salicylic acid and arsenic with special reference to the regeneration of lesions. Meerut, 1977-79.

Dr. V.P. Agarwal, Department of Zoology, D.A.V. College, Muzaffarnagar.

1760. Pathak, Subhash Chandra.
Studies on the biology and fishery of the cyprinoid Cirrhinus reba (Ham) in the Ganga river system. Allahabad, 1966-79.

Dr. D.N. Varma, Reader, Department of Zoology, University of Allahabad, Allahabad.

1761. Shanmugam, K.
Studies on the corpuscles of stannius and interrenal in the anabantid teleost, Anabas scandew (Cuvier). Annamalai, 1970-79.

Prof. P. Govindan, Department of Zoology, Annamalai University, Annamalainagar.

1762. Sontake, Arun.
Studies on the biology of a few fresh water teleostean fishes. Vikram, 1976-78.

Prof. B.M. Sinha, Head, Department of Zoology, Vikram University, Ujjain.

1763. Suri, Surinder Nath.
Studies on some aspects of bioenergetics in Puntius sophore Ham. Jammu, 1974-79.

Prof. Y.R. Malhotra, Head, Department of Biosciences, University of Jammu, Jammu.

1764. Thakre, Vasant Yadavrao.
Study on the biology of Rasbora daniconius (Hamilton-Buchanan). Marathwada, 1979.

Dr. (Mrs.) S.S. Bapat, Reader, Department of Zoology, Marathwada University, Aurangabad.

1765. Tomer, Balbir Singh.
Phatmacology of heart in few teleost fishes. Meerut, 1975-79.

Dr. V.P. Agarwal, Department of Zoology, D.A.V. College, Muzaffarnagar.

Amphibia

1766. Narayana Reddy, K.
Some aspects of denervation muscle atrophy with particular reference to protein metabolism in the frog, Rana hexadactyla (Lesson). Venkateswara, 1972-78.

Prof. K S. Swamy, Head, Department of Zoology, S.V.U. College of Arts and Sciences, Triupati.

Reptiles

1767. Anjaneya Prasad, J.
Studies on oentastonids from snakes and lizards of Andhra Pradesh. Andhra, 1979.

Dr. K. Syamasundari, Reader, Department of Zoology, Andhra University, Waltair.

1768. Gupta, Satya Prakash.
Studies on the physiology and histochemistry of the digestive system of a few reptiles. Meerut, 1976-79.

Dr. V.P. Agarwal, Department of Zoology, D.A.V. College, Muzaffarnagar.

1769. Katdare, Meena Sharad.
Studies on the development of skin of the garden lizard, Calotes versicolor. Poona, 1975-78.

Prof. (Mrs.) Leela Mulherkar, Head, Department of Zoology, University of Poona, Pune.

1770. Ramila, G.
Studies on cellular interactions, immune responses and antigenic competition in the lizard, Calotes versicolor. Madurai, 1974-78.

Prof. V.R. Muthukaruppan, School of Biological Sciences, Madurai Kamaraj University, Madurai.

Birds

1771. Thomas, V.C.
Studies in feeding mechanism of birds in relation to feeding behaviour. Gujarat, 1974-78.

Dr. M.S, Dubale, Reader, Department of Zoology, Gujarat University, Ahmedabad.

Mammals

1772. Sarma, Radha.
Studies on the morphology, physiology and biochemistry of the male reproductive system in the slender loris, Loris tardigradus lydekkerianus (Cabra). Bangalore, 1972-79.

Dr. K.M. Kadam, Reader, Department of Zoology, Bangalore University, Bangalore.

MEDICAL SCIENCES

1773. Sharma, Prafulla Kumar.
Biological tissue in a time varying electromagnetic field. I.I.T, Delhi (Electrical Engineering) 1972-78.

Prof. S.K. Guha, Head, Centre for Biomedical Engineering, Indian Institute of Technology, New Delhi.

ANATOMY

1774. Joshua, Peter John.
Cytogenetic studies on anomalies of autosomes and sex chromosomes. Bombay, 1973-78.

Dr. (Mrs.) S.S. Rao, Grant Medical College, Parel, Bombay.

1775. Pourany, R.
Histogenesis of pre- and postnatal human endocrine pancreas. Madras, 1970-79.

Prof. Indra Bhargava, Head, Department of Anatomy, Maulana Azad Medical College, Delhi.

Prof. S.L. Basu, Department of Biology, Jawaharlal Nehru Institute of Postgraduate Medical Education and Research, Pondicherry.

PHYSIOLOGY

Biophysics

1776. D'Silva, H.B.
Leukocyte migration in vitro: Biophysical and immunological studies. Bombay, 1975-78.

Dr. K.S. Korgaonkar, Cancer Research Institute, Parel, Bombay.

1777. Gupta, Inderjit.
Biocybernetic models of energy metabolism : Effects of 2 deoxy-D-glucose on energy metabolism and repair of radiation damage in yeast cells. A.I.I'M.S., Delhi, 1973-78.

Prof. R.K. Mishra, Head, Department of Biophysics, All India Institute of Medical Sciences, New Delhi.

1778. Kapur, Pawan.
Modelling analysis and computer simulation study of some physiological systems. Calcutta (Physics) 1978.

1779. Kaul, Deepak.
Physico-chemical study in the pathogenesis of atherosclerosis : Lipid droplets in human atherosclerotic lesions. A.I.I.M.S., Delhi, 1975-79.

Dr. (Mrs.) V. Kothekar, Asstt. Prof., Department of Biophysics, All India Institute of Medical Sciences, New Delhi.

1780. Khanolkar, S.R.
Metabolic studies on M. leprae 'in vitro' using radio isotopes. Bombay, 1973-78.

Dr. (Mrs.) K.J. Ranadive, Cancer Research Institute, Parel, Bombay.

1781. Mohan Rao, A.M.
Investigation of the carcino gas 3, 4, benzopyrene in the atmospheric air at Bombay. Bombay, 1973-79.

Dr. K.G. Vohra, Bhabha Atomic Research Centre, Trombay, Bombay.

1782. Shenoy, C.N.
Screening of some metal salts and metal complexes as mutagens/carcinogens. Bombay, 1975-78.

Dr. K.S. Korgaonkar, Cancer Research Institute, Parel, Bombay.

1783. Chempakam, B.
Metabolism of glycoproteins in relation to diabetes mellitus. Kearla, 1974-79.

Prof. P.A. Kurup, Head, Department of Biochemistry, University of Kerala, Trivandrum.

1784. Das, Mallika.
Structural topography of bacterial ribosomes: Enzymetic and immunological studies. Banaras, 1979.

Prof. D.P. Burma, Head, Department of Biochemistry, Institute of Medical Sciences, Banaras Hindu University, Varanasi.

1785. Gogate, Mrinalini G.
Biochemical and immunological studies on GCE, an anticancer principle isolated from Gymnosporia rothiana Laws. Bombay, 1976-79.

Ds. M.B. Sahasrabuddhe, Cancer Research Institute, Parel, Bombay.

1786. Joshi, S.S.
Studies on exposure of leukemia specific antigens on dinitrophenylated normal human leukocytes. Bombay, 1974-79.

Dr. M.B. Sahasrabuddhe, Cancer Research Institute, Parel, Bombay.

1787. Kothari, N.M.
Study of serum enzymes and lipid profile in health and cardiac vascular disorders. Bombay, 1975-78.

Dr. V.G. Daftary, Grant Medical College, Parel, Bombay.

1788. Naik, V.K.
Endocrine and biochemical consequences of vasectomy and vas reanastomosis in man. Bombay, 1975-78.

Dr. A.R. Sheth, Seth G.S. Medical College, Bombay.

1789. Pathak, Rakesh Mohan.
Studies on the effect of diabetes on brain lipid metabolism in rats. P.G.I., Chandigarh, 1975-79.

Prof. D. Subrahmanyam, Head, Department of Biochemistry, Postgraduate Institute of Medical Education and Research, Chandigarh.

1790. Pathak, Satish Kumar.
Studies on purification and chemical characterization of respiratory allergens. Kanpur, 1978.

1791. Sarkar, Fazlul Hoque.
Role of serotonin and its metabolizing enzymes in health and disease with particular reference to stressful conditions. Banaras, 1975-79.

Prof. K.N. Udupa, Department of Surgery, Institute of Medical Sciences, Banaras Hindu University, Varanasi.

Prof. O.P. Malhotra, Head, Department of Chemistry, Banaras Hindu University, Varanasi.

1792. Simon, Johanna.
Biochemical changes in tissues in experimental atherosclerosis : A study on the effect of kanthasindhooram and clofibrate. Madras, 1975-79.

Prof. (Mrs.) K. Radha Shanmugasundaram, Department of Biochemistry, Postgraduate Institute of Basic Medical Sciences, Madras.

1793. Surinder Kumar.
Potent inhibitors of calcification from human urine and serum. Punjab Agrl., 1974-79.

Dr. R.K. Jethi, Asstt. Prof., Department of Biochemistry, Punjab Agricultural University, Ludhiana.

1794. Talwar, Harvinder Singh.
Studies on mechanism of collagen induced in vitro calcification. Punjab Agrl., 1974-78.

Dr. R.K. Jethi, Asstt. Prof., Department of Biochemistry, Punjab Agricultural University, Ludhiana.

1795. Tandon, Pushpa.
Some immunobiochemical studies on Dengue virus infection. Lucknow, 1976-79.

Dr. Abhay Kumar.

1796. Thambi Dorai, D.
Studies on glycoproteins. Madras, 1974-78.

Prof. P.K. Bachhawal, Director, Indian Institute of Experimental Medicine, Calcutta.

1797. Vijayammal, P.L.
Role of some B-vitamins in the metabolism of glycosaminoglycans in relation to atherosclerosis. Kerala, 1974-78.

Prof. P.A. Kurup, Head, Department of Biochemistry, University of Kerala, Trivandrum.

1798. Ziledar Ali.
Conformational changes in ribosomes. Banaras, 1975-79.

Prof. D.P. Burma, Head, Department of Biochemistry, Institute of Medical Sciences, Banaras Hindu University, Varanasi.

—*Enzymes*

1799. Bandyopadhyay, Maitreyi.
Studies on glutamine synthetase activity in relation to malignancy. Calcutta, 1979.

1800. Gupta, Rama Devi.
Role of limiting amino acids on growth with special reference to hepatic enzymes. Banaras, 1974-79.

Prof. K.N. Agrawal, Department of Paediatrics, Institute of Medical Sciences, Banaras Hindu University, Varanasi.

Prof. O.P. Malhotra, Head, Department of Chemistry, Banaras Hindu University, Varanasi.

1801. Pandey, Haushila Prasad.
Role of neurohormones with particular reference to acetylcholine and its related enzymes in health and disease. Banaras, 1973-79.

Prof. K.N. Udupa, Department of Surgery, Institute of Medical Sciences, Banaras Hindu University, Varanasi.

Prof. O.P. Malhotra, Head, Department of Chemistry, Banaras Hindu University, Varanasi.

1802. Sivaramakrishna Pillai, S.
Studies on the intestinal phosphatases in experimental diabetes and atherosclerosis in rabbits. Madras, 1974-79.

Prof. (Mrs.) Radha Shanmugasundaram, Department of Biochemistry, Postgraduate Institute of Basic Medical Sciences, Madras.

Blood

1803. Desai, M.W.
Blood components : Manufacture and therapy for better treatment and conservation of human blood. Bombay, 1972-78.

Dr. V.G. Daftary, Grant Medical College, Parel, Bombay.

Metabolism

1804. Basu, Jayasri.
Effects of administration of L-lysine or L-threonine on ascorbic acid metabolism. Calcutta, 1979.

1805. Chattopadhyay, Amitabha.
Studies in pigment metabolism in relation to vitiligo. Calcutta, 1979.

Endocrine System

1806. Das, Manika.
Hormonal influence on tissue iron turnover. Calcutta, 1978.

Reproduction

1807. Manimekalai, S.
Influence of hormones on reproductive tissues and liver. Madras, 1974-79.

Dr. P. Govindarajulu, Head, Division of Endocrinology, Post Graduate Institute of Basic Medical Sciences, Madras.

Male Reproductive System

1808. Shah, G.V.
Seminal plasma factors affecting spermatozoal motility and metabolism. Bombay, 1975-78.

Dr. A.R. Sheth, Seth G.S. Medical College, Bombay.

Female Reproductive System

1809. Debmaulik, Sucheta.
Studies on the influence of gestogen on some uterine activity. Calcutta, 1978.

1810. Mohammad Abdul Qasim.
Effect of chemical modification on molecular and immunological properties of ova. Aligarh, 1978.

Dr. Salahuddin, Reader, Department of Biochemistry, Jawaharlal Nehru Medical College, Aligarh Muslim University, Aligarh.

1811. Singh, Pomila.
Interactions of androgens with the normal and cancerous breast tissue of women. A.I.I.M.S., Delhi, 1973-79.

Prof. K.R. Laumas, Head, Department of Reproductive Biology, All India Institute of Medical Sciences, New Delhi.

Physiology of Embryo

1812. Bamezai, R.N.K.
Antenatal diagnosis in human genetic disorders and high risk pregnancies. A.I.I.M.S., Delhi, 1975-79.

Dr. (Mrs.) Kiran Kucheria, Asstt. Prof., Department of Anatomy, All India Institute of Medical Sciences, New Delhi.

1813. Gangopadhyay, Chameli.
Mucopolysaccharides, water and electrolytes of human fetal organs. Calcutta, 1979.

1814. Kathiresan, Saratha.
Studies on human foetal thymus. Madras, 1972-78.

Dr. M.M. Cooper, Director, Institute of Anatomy, Madras Medical College, Madras.

Integument

1815. Bhatia, Beena.
Chemical and biochemical studies in relation to burns. Kanpur, 1978.

Neurophysiology

1816. Ghosh, Archana.
Influence of gestogen on some brain activity. Calcutta, 1979.

1817. Lajpat Rai.
Thermal influences of autonomic functions of body. A.I.I.M.S., Delhi, 1973-79.

Prof. G.S. Chhina, Department of Physiology, All India Institute of Medical Sciences, New Delhi.

1818. Saxena, Prem Narain.
An experimental study of central control of thermoregulation. *D.Sc.* Aligarh, 1972-78.

HYGIENE

1819. Roomana Khatoon.
Studies on non-occlusive intra-vasal copper device for control of male fertility. A.I.I.M.S., Delhi. 1979.

Prof. K.R. Laumas, Head, Department of Reproductive Biology, All India Institute of Medical Sciences, New Delhi.

Dietetics

1820. Agte, Vaishali Vilas.
Sparing effect of certain non-essential amino acids over the requirements of essential amino acids in a marginally subsisting population with special reference to preschool children. Poona, 1973-78.

Dr. R.G. Chitre, Hon. Consultant, K.E.M. Hospital, Medical Research Centre, Pune.

1821. Chatterjee, Pushpendu.
Physical, neuro-integrative and psychological development in survivors of severe protein calorie malnutrition : A study in early school age children (6-9 years) of an urban area, Chetla. Calcutta, 1978.

1822. Shurpalekar, S.R.
Studies on infant and protein food formulations suitable for feeding weaned infants and young children. Bombay, 1969-78.

Dr. M. Swaminathan, Central Food Technological Research Institute, Mysore.

Public Health

1823. Bhandari, Akalanka.
Epidemiology of road accidents in Calcutta. Calcutta, 1978.

PHARMACOLOGY & THERAPEUTICS

Drugs

1824. Siva Kumar, K.
Studies on solubilization of drugs. B.I.T.S., Pilani, 1974-79.

Prof. B.M. Mithal, Department of Pharmacy, Birla Institute of Technology and Science, Pilani.

Pharmaceutical Chemistry

1825. Arur, Prabhakar Vithalrao.
Potential antitubercular compounds : Substituted thiourea derivatives. Poona (Chemistry) 1974-78.

Dr. S.N. Kulkarni, Scientist, National Chemical Laboratory, Pune.

1826. Balse, M.N.
Tetrahydrobenzothiazoles of pharmacological significance. Karnatak (Chemistry) 1979.

Dr. C.S. Mahajanashetty, Reader, Department of Chemistry, Karnatak University, Dharwad.

1827. Chattopadhyay, Arun Kumar.
Physico-chemical studies of the compounds of medicinal interest. Kalyani (Chemistry) 1974-79.

Dr. S.C. Lahiri, Lecturer, Department of Chemistry, University of Kalyani, Kalyani.

1828. Dawoodali, Sayad Tajali.
Studies in condensed quinoxalines and Indian medicinal plants. Shivaji (Chemistry) 1973-78.

Dr. B.M. Sawant, Reader, Department of Chemistry, Shivaji University, Kolhapur.

1829. Dube, Kalpana.
Studies in new organofluorine psychopharmacological agents. Rajasthan (Chemistry) 1975-78.

Prof. K.C. Joshi, Department of Chemistry, University of Rajasthan, Jaipur.

1830. Dwivedi, Prabhakar.
Chemical investigation of Indian medicinal plants and oxidation of chalcones by ceric ammonium nitrate. Agra (Chemistry) 1978.

Dr. D.N. Dhar, Asstt. Prof., Department of Chemistry, Indian Institute of Technology, Kanpur.

1831. Girija Kumari.
Structural studies of organic compounds from medicinal plants. Allahabad (Chemistry) 1975-79.

Dr. J.S. Chauhan, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

1832. Gupta, Gopal Krishan.
Investigation on the chemical constituents of pharmacologically active plants. Jammu (Chemistry) 1978.

Dr. C.K. Atal, Director, Regional Research Laboratory, Jammu.

Prof. P.R. Rao, Scientist, Regional Research Laboratory, Jammu.

1833. Pandya, K.S.
Studies on several synthetic and natural drug potentials. Saurashtra (Chemistry), 1975-78.

Prof. K.A. Thakar, Head, Department of Chemistry, Saurashtra University, Rajkot.

1834. Patel, Mukesh Raajibhai.
Pharmacy of new medicinal compounds. Gujarat, 1971-78.

Dr. (Miss) B.M. Trivedi, L.M. College of Pharmacy, Ahmedabad.

1835. Patni, Renuka.
Chemical investigation of some medicinally important plants. Rajasthan (Chemistry), 1971-78.

Prof. K.C. Joshi, Department of Chemistry, University of Rajasthan, Jaipur.

1836. Raychaudhuri, Tapan Kumar.
Phytochemical studies on the medicinal plants of India. Calcutta, 1979.

1837. Sahai, Mahendra.
Chemical investigation of some medicinal plants. Banaras (Chemistry) 1974-79.

Dr. A B. Ray.

Dr. S.M. Verma.

1838. Samhasiva Rao, Vajja.
Chemical examination of some Indian medicinal plants. B.I.T.S. Pilani, 1974-79.

Dr. H.P. Tiwari, Department of Chemistry, Birla Institute of Technology and Science, Pilani.

1839. Sankaranarayanan, David.
Chemistry and pharmacology of Indian medicinal plants. Madras (Chemistry) 1974-79.

Prof. (Mrs) Lalitha Kameswaram, Department of Pharmacology, Madras Medical College, Madras.

1840. Satsangi, Rajiv Kumar.
Search for potential anti-Parkinsonian compounds. Lucknow (Chemistry) 1975-79.

Prof. S S. Tiwari, Department of Chemistry, University of Lucknow, Lucknow.

1841. Saxena, Ajit Kumar.
Chemotherapy of cancer : (A) Enzymatic mechanism of guanine deaminase and; (B) Synthesis of guanine deaminase inhibitors. Lucknow, 1975-78.

Dr. Keshri Kishore.

1842. Sharma, Manju.
Chemotherapy of amoebiasis. Lucknow (Chemistry) 1975-78.

Dr. Keshri Kishore.

1843. Singh, A.K.
I. A phytochemical investigation of some Indian medicinal plants; and II. Studies directed toward the synthesis of steroidal systems of potential biological interest and a novel transformation of hederagenin. I.I.T., Kanpur (Chemistry) 1975-78.

Dr. D.N. Dhar, Asstt. Prof., Department of Chemistry, Indian Institute of Technology, Kanpur.

1844. Singh, Anil Kumar.
Chemical constituents of some Indian medicinal plants. Allahabad (Chemistry) 1974-78.

Dr. (Mrs.) S. Ranganayaki, Lecturer, Department of Chemistry, University of Allahabad, Allahabad.

1845 Thomas, Rachel.
Use of electrophoretic techniques in the study of genetic polymorphisms in certain human serum proteins in the normal populations in comparison with malignancy and chromatographic techniques in comparing the alkaloidal contents of normal and X-ray mutants of certain medicinal plants. Calcutta (Botany) 1979.

1846. Verma, Ranjana.
Investigation in medicinal plants. Aligarh (Chemistry) 1974-78.

Dr. M. Ilyas, Lecturer, Department of Chemistry, Aligarh Muslim University, Aligarh.

1847. Vijai Laxmi.
Synthesis of 7, 8 disubstituted metabolites of some psychopharmacological agents: Prochlorperazine and perphenazine. Rajasthan (Chemistry) 1976-78.

Dr. R.L. Mittal, Reader, Department of Chemistry, University of Rajasthan, Jaipur.

1848. Vyas, Parmod Kumar.
Chemical investigation of some Indian medicinal plants. Indore (Chemistry) 1977-79.

Prof. I.P. Varshney, Head, Department of Chemistry, Garhwal University, Srinagar.

Organic Drugs

Synthetic Drugs

1849. Ajmera, Sudhir.
Synthesis and pharmacological evaluation as C.N.S. depressants of some newer trimethoxy benzene derivatives. Rajasthan (Chemistry) 1976-78.

Prof. P.C. Dandia, S.M.S. Medical College, Jaipur.

1850. Alok Kumar.
Studies on synthetic drugs. Kanpur (Chemistry) 1979.

Dr. Nitya Nand, Deputy Director, Central Drug Research Institute, Lucknow.

1851. Basu, Sanat Kumar.
Studies on some salts of erythromycin. Jadavpur, 1975-78.

Dr. S.K. Datta, Reader, Department of Pharmacy, Jadavpur University, Calcutta.

1852. Bhatia, M.R.
Synthesis of nitrogen and sulphur containing medicinally important compounds. Gujarat(Chemistry) 1979.

Dr. J.J. Trivedi, Principal, M.G. Science Institute, Ahmedabad.

1853. Bhutani, Kamlesh Kumar.
Synthesis of azasteroids and related studies. Panjab, 1974-78.

Prof. Harikrishan Singh, Head, Department of Pharmacy, Panjab University, Chandigarh.

1854. Chattopadhyaya, Gautam.
Studies on the synthesis of possible anticancer agents : Synthesis of compounds related to 4 (5) aminoimidozale 5 (4) carboxamide of 5-aminothiazole-4-carboxamide. Calcutta (Chemistry) 1979.

1855. Chaturvedi, D.N.
Synthesis and pharmacology of compounds having potential activity. Bombay (Chemistry) 1973-78.

Dr. R.A. Kulkarni, Principal , Ramnarain Ruia College, Matunga, Bombay.

1856. Ghose, Arup Kumar.
Synthesis, activity and computation of minimum energy conformations of some possible antineoplastic agents. Jadavpur, 1975-78.

Dr. A.U. De, Reader, Department of Pharmacy, Jadavpur University, Calcutta.

1857. Gupta, A.S.
Synthesis of compounds with a possible antituberculosis activity. Bombay (Chemistry) 1974-79.

Dr. J.R. Merchant, Institute of Science, Fort, Bombay.

1858. Hanumanth Rao, V.
Synthesis of possible antiamoebic agents. Vikram (Chemistry) 1976-78.

Dr. K.C. Mathur.

1859. Isar, M.M.
Studies related to the stability of certain clinically useful antibiotics with regard to the effect of electropoetic reagents. Garhwal (Chemistry) 1976-79.

Dr. K.D. Jain, Department of Chemistry, D.A.V. College, Dehradun.

1860. Mashruwala, Samir Vinabhai.
Synthesis of basic acids as local anaesthetics. Gujarat, 1974-78.

Dr. J.J. Trivedi, Principal, M.G. Science Institute, Ahmedabad.

1861. Prasad, Mahavir.
Studies on the synthesis of possible anti-inflamatory and antifertility agents. Meerut (Chemistry) 1977-79.

Dr. S.D. Loiwal, Head, Department of Chemistry, M.M College, Modinagar.

1862. Radhakrishna Pillai, K.M.
Studies on synthetic drugs: Agents acting on the central nervous system. Meerut (Chemistry) 1975-79.

Dr. Nitya Nand, Deputy Director, Central Drug Research Institute, Lucknow.

1863. Ram Pratap.
Studies on synthetic drugs. Banaras (Chemistry) 1976-79.

Dr. Nitya Nand, Deputy Director, Central Drug Research Institute, Lucknow.

Prof. P.N. Bhargava, Department of Chemistry, Banaras Hindu University, Varanasi.

1864. Sharma, Ram Muni.
Synthesis and preliminary pharmacological screening of new beta adrenergic blocking compounds. P.G.I., Chandigarh, 1973-79.

Prof P.L. Sharma, Head, Department of Clinical Pharmacology, Postgraduate Institute of Medical Education and Research, Chandigarh.

1865. Srivastava, Neera.
Synthesis of newer biologically active agents: (a) Cysticidal agents; and (b) CNS active agents. Lucknow (Chemistry) 1975-78.

Dr. Keshri Kishore.

1866. Tilak Raj.
Studies in the synthesis of azasteroids. Panjab, 1974-78.

Prof. Harikrishan Singh, Head, Department of Pharmacy, Panjab University, Chandigarh.

Drugs of Vegetable Origin

1867. Agarwal, S.S.
Isolation, characterisation and pharmacological studies of the active principles of Daucus carota with special reference to their anti-fertility effects. A.I.I.M.S., Delhi, 1973-78.

Dr. J.N. Sharma, Asstt. Prof., Department of Pharmacology, All India Institute of Medical Sciences, New Delhi.

1868. Agrawal, Virendra Kumar.
Pharmacognostical and pharmacological investigations of some important medicinal plants. Banaras, 1972-79.

Dr. S.P. Wahi, Reader, Department of Pharmaceutics, Faculty of Engineering and Technology, Banaras Hindu University, Varanasi.

1869. Akhtar, Mohammad Hasin.
Study of photosensitization and hepatotoxicity by the toxic principles of the plant, *Lantana camara*. A.I.I.M.S., Delhi, 1973-78.

Prof. N.K. Bhide, Head, Department of Pharmacology, All India Institute of Medical Sciences, New Delhi.

1870. Bhattacharyya, Tapankumar.
Chemical investigation of certain medicinal plants. Madras (Technology) 1972-78.

Prof. S. Sankara Subramanian, Head, Department of Chemistry, Jawaharlal Nehru Institute of Post-graduate Medical Education and Research, Pondicherry.

1871. Ghosh, Ajit Kumar.
Effect of certain plant pigments as anticarcinogens on different malignant growths from cytological and cytochemical aspects. Calcutta, 1978.

1872. Gupta, Om Parkash.
Chemical investigations of some Piper species and synthesis of analogues of certain Piper constituents. Panjab, 1971-78.

Shri N.N. Gaind.

1873. Jaiswal, Dinesh Kumar.
Studies on the chemical constituents of some Indian medicinal plants. Banaras, 1976-79.

Dr. S.N. Ghoshal, Head, Department of Pharmaceutics, Faculty of Engineering and Technology, Banaras Hindu University, Varanasi.

1874. Pandit, S.S.
Chemical investigations on fungi and other medicinal plants. Bombay (Chemistry) 1974-78.

Prof. A.B. Kulkarni, Head, Department of Chemistry, University of Bombay, Bombay.

1875. Parameswaran, V.
Studies in vegetable drugs. Bombay (Technology) 1965-79.

Dr. H.P. Tipnis, Department of Chemical Technology, University of Bombay, Bombay.

1876. Roy Chowdhury, Sajal Kumar.
Studies on the composition of some indigenous seed fats for possible utilisation in pharmaceutical industry. Jadavpur, 1974-78.

Prof. A. Sengupta, Department of Pharmacology, Jadavpur University, Calcutta.

1877. Shirapurkar, N.M.
Biological and metabolic studies on the effects of arecoline, an important alkaloid and water extract and polyphenolic fraction of betel nut. Bombay, 1975-79.

Dr. (Mrs.) S.V. Bhide, Cancer Research Institute, Parel, Bombay.

—*Antibiotics*

1878. Maiti, Tapas Kumar.
Internal absorption of different penicillins, streptomycin and nitrofurantoin in vitro and related phenomena. Calcutta, 1978.

1879. Tripathi, R.D.
Assay of higher plants for antifungal antibiotics and some aspects of mode of action of the active principle. Gorakhpur, 1979.

1880. Vennalavalli, Placida.
Screening of Indian soil samples for new streptomycetes and the antibiotic activity produced by them. Andhra, 1979.

Prof. K. Sambamurthy, Department of Pharmacy, Andhra University, Waltair.

Drugs of Animal Origin

1881. Bagli, N.P.
Studies on the mechanism of action of a gonadotropin inhibiting material with specific anti-LH properties obtained from human urine. Bombay, 1973-79.

Dr. P.N. Shah, Cancer Research Institute, Parel, Bombay.

1882. Vora, K.K.
Development of an indigenous isolated liver perfusion system and its application to drug metabolism studies. Bombay, 1970-79.

Dr. A.J. Baxi, Haffkine Institute, Parel, Bombay.

Practical Pharmacy

1883. Jain, Narendra Kumar.
Microbiological contamination in oral drugs (Tablet form). Saugar, 1978.

Shri C.S. Chauhan.

Pharmacodynamics

1884. Kuruvilla, Alice.
Influence of centrally acting drugs on cardiac arrhythmias. Madras, 1974-79.

Dr. Paul M. Stephen, Head, Department of Pharmacology, Christian Medical College, Vellore.

1885. Mathur, Vivek Bansi Lal.
Bioavailability studies on some oral antidiabetic drugs. Saugar, 1979.

Prof. K C. Verma, Head, Department of Pharmaceutical Sciences, University of Saugar, Sagar.

1886. Milanian, Iraj.
Effects of contraceptive steroids on the inter-relationship of renal vassactive substances. A.I.I.M.S., Delhi, 1976-79.

Dr. H.H Siddiqui, Asstt. Prof., Department of Pharmacology, All India Institute of Medical Sciences, New Delhi.

1887. Parmar, Narayan Singh.
A pharmacological study on the effects of bioflavonoids on experimentally induced inflammation, increased vascular permeability, gastric ulcers and cataracts. Madras, 1972-78.

Prof. M.N. Ghosh, Principal, Jawaharlal Nehru Institute of Postgraduate Medical Education and Research, Pondicherry.

Nervous System

1888. Jayavanthi, N.
Teratogenic effects of anticonvulsant drugs. Madras, 1974-78.

Prof. S. Kalyanaraman, Department of Neurosurgery, Madras Medical College, Madras.

Dr. K.M. Marimuthu, Head, Division of Genetics, Postgraduate Institute of Basic Medical Sciences, Madras.

1889. Pandey, Ramandra Narayan.
Search for potential anticonvulsant drugs. Lucknow, 1974-78.

Dr. V.S. Misra.

1890. Shah, P.G.
Effect of drugs and stress on hypothalamopituitary function. Bombay, 1975-78.

Dr. A.R. Sheth, Seth G.S. Medical College, Bombay.

Radiotherapy

1891. Jayaraman, S.
Some studies in computer assisted treatment planning in radiotherapy. Bombay (Physics) 1974-79.

Dr. R. Chidambaran, Bhabha Atomic Research Centre, Trombay, Bombay.

Toxicology

1892. Asgar Zaheer.
Studies on cobra venomcytotoxin and cell membrane structure. Bombay, 1972-79.

Dr. (Miss) B.M. Bragancha, Cancer Research Institute, Parel, Bombay.

1893. **Bhagalia, Y.S.**
Studies on neurotoxins. Bombay, 1971-79.

Dr. (Miss) B.M. Bragancha, Cancer Research Institute, Parel, Bombay.

1894. Datta, Susantakumar.
An investigation into the effects of some indigenous plants of toxic significance. Calcutta (Botany) 1978.

1895. Gupta. Satendar Kumar.
Toxicity of hexachlorocyclohexane : An organochlorine insecticide—Human survellance and animal experimental studies. Gujarat, 1975-79.

Dr. S.K. Kashyap, National Institute of Occupational Health, Ahmedabad.

1895. Kakirde, M.B.
Studies on lipid components of Yoshida sarcoma cell membranes as receptors for cobra venom cytotoxin (P6). Bombay, 1974-79.

Dr. (Miss) B.M. Bragancha, Cancer Research Institute, Parel, Bombay.

1897. Nag, Pratima.
Characterization of heavy metal toxicity in different plant materials. Calcutta (Botany) 1979.

1898. Rajagopal, G.
Studies on metabolism in ethylene glycol toxicity. Madras, 1972-79.

Prof. S. Ramakrishna, Department of Biochemistry, Jawaharlal Nehru Institute of Postgraduate Medical Education and Research, Pondicherry.

1899. Thiruneelakantan, K.
Toxicological evaluation of Aspergillus versicolor (Vuill) Tiraboschi, an isolate from a granuloma of brain. Madras, 1972-79.

Dr. S. Subramanian, Head, Department of Microbiology, Postgraduate Institute of Basic Medical Sciences, Madras.

MEDICINE

Microbiology

1900. Albert, M. John.
Microflora of the human intestinal tract in health and disease. Madras, 1974-79.

Dr. Grace Koshi, Head, Department of Microbiology, Christian Medical College, Vellore.

1901. Bhalla, V.K.
Biochemical characterization of anonymous mycobacteria and their pathogenicity. A.I.I.M.S., Delhi, 1975-79.

Prof. Shriniwas, Department of Microbiology, All India Institute of Medical Sciences, New Delhi.

1902. Bhardwaj, O.P.
Evaluation of antigens of Mycobacterium tuberculosis H_{37} Ra in serodiagnosis of human tuberculosis by soluble antigen fluorescent antibody test. A.I.I.M.S., Delhi, 1975-79.

Prof. Shriniwas, Department of Microbiology, All India Institute of Medical Sciences, New Delhi.

1903. Dhariwal, Kuldeep Raj.
Studies on lipid metabolism of mycobacteria. Delhi, 1975-79.

Prof. T.A.V. Subramaniam, V.P. Chest Institute, University of Delhi, Delhi.

1904. Maity, P.K.
Role of antibody and activated macrophages against Candida albicans : In vitro and in vivo studies. A.I.I.M.S., Delhi, 1974-78.

Prof. L.N. Mohapatra, Head, Department of Microbiology, All India Institute of Medical Sciences, New Delhi.

1905. Misra, Vishnu Chandra.
Studies on yeast-like fungi with special reference to their association with certain food stuffs. Delhi, 1975-79.

Dr. H.S. Randhawa, Head, Department of Mycology, V.P. Chest Institute, University of Delhi, Delhi.

1906. Monga, D.P.
Studies on mechanism of protective immunity in cryptococcosis. A.I.I.M.S., Delhi, 1975-78.

Prof. L.N. Mohapatra, Head, Department of Microbiology, All India Institute of Medical Sciences, New Delhi.

1907. Paliwal, Dinesh Kumar.
Studies on Cryptococcus neoformans and some allied yeast-like fungi with special reference to their ecology. Delhi, 1975-79.

Dr. H.S. Randhawa, Head, Department of Mycology, V.P. Chest Institute, University of Delhi, Delhi.

1908. Paramasivan, C.N.
Laboratory surveillance of the genus Salmonalla and study on humoral and cellular response in human typhoid Madras, 1975-79.

Prof. S. Subramanian, Head, Department of Microbiology, Postgraduate Institute of Basic Medical Sciences, Madras.

1909. Pradhan, Dina Nath.
Effect of antibiotics and sulphur drugs on the formation of abiogenic microstructures. Allahabad (Chemistry) 1974-78.

Dr. Krishna Bahadur, Reader, Department of Chemistry, University of Allahabad, Allahabad.

1910. Priyadarshini, E.
Studies on aflatoxins. Osmania, 1979.

Dr. P.G. Tulpule, Deputy Director, Nutrition Laboratories, Hyderabad.

1911. Srinivas, R.V.
Extracellular antigens of Pseudomonas aeurginosa in immunoprophylaxis : An experimental study. A.I.I.M.S., Delhi, 1975-79.

Prof. Shriniwas, Department of Microbiology, All India Institute of Medical Sciences, New Delhi.

Symptomatology

1912. Mishra, Rajendra.
Observations on the role of Tribules terrestris in Oedema. Patna, 1978.

Dr. H.N. Singh.

Immunology

1913. Ali Sher.
Characterisation of immune Sera in amebiasis. Aligarh, 1972-78.

Dr. Sohail Ahmad, Department of Chemistry, Aligarh Muslim University, Aligarh.

1914. Balachandran, N.
Immune response to vaccine virus and its surface components with particular reference to protective immunity. A.I.I.M.S., Delhi, 1976-79.

Prof. L.N. Mohapatra, Head, Department of Microbiology, All India Institute of Medical Sciences, New Delhi.

1915. Chanderkar, N.G.
Study of immunologic responses in undernourished human subjects. Bombay, 1972-78.

Dr. B.B. Gaitonde, Haffkine Institute, Parel, Bombay.

1916. Gupta, Neelam.
Role of macrophage in tumour immunity, P.G.I., Chandigarh, 1975-79.

Prof. B.K. Aikat, Department of Pathology, Postgraduate Institute of Medical Education and Research, Chandigarh.

1917. Mehrotra, A.N.
Studies on immunological unresponsiveness during pregnancy. A.I.I.M.S., Delhi, 1974-79.

Prof. G.P. Talwar, Head, Department of Biochemistry, All India Institute of Medical Sciences, New Delhi.

1918. Murthy, B.D.
Immunochemical studies on gonadotropins and their clinical applications. Bombay, 1975-78.

Dr. A.R. Sheth, Seth G.S. Medical College, Bombay.

1919. Purohit, A.K.
A study of immunological response in experimental Mycoplasma mycoides subsp. capri infection. A.I.I.M.S., Delhi, 1973-79.

Dr. (Miss) Usha Gupta, Asstt. Prof., Department of Microbiology, All India Institute of Medical Sciences, New Delhi.

1920. Singh, Ashok K.
Immunogenicity of N. gonorrhoeae and its chemical fractions. A.I.I.M.S., Delhi, 1974-79.

Prof. G.P. Talwar, Head, Department of Biochemistry, All India Institute of Medical Sciences, New Delhi.

1921. Sundaraj, T.
Cell mediated immunity in experimental Nocardia asteroides infection. Madras, 1972-79.

Prof. S.G. Agarwal, Head, Department of Microbiology, Jawaharlal Nehru Institute of Postgraduate Medical Education and Research, Pondicherry.

Diseases of Digestive System

1922. Ramakrishnan, Karimphat Mathangi.
A study of anatomy, physiology, pathology of velo-pharyngeal incompetence and its management in plastic surgery. Madras, 1969-79.

Prof. C.R. Soundararajan, Head, Department of Plastic Surgery, Madras Medical College, Madras.

Diseases of Urogenital System

1923. Illanthiraiyan, R.
Biochemical studies on some blood proteins in diseases of urinary tract. Madras, 1973-79.

Prof. (Mrs.) K. Radha Shanmugasundaram, Department of Biochemistry, Postgraduate Institute of Basic Medical Sciences. Madras.

Dr. A. Venugopal, Hony. Director, Postgraduate Institute of Basic Medical Sciences, Madras.

Diseases of Nervous System

1924. Bandyopadhyay, Arati.
Dermatoglyphics in relation to epilepsy. Calcutta, 1979.

1925. Dave, U.P.
Ultrastructural and metabolic studies in disorders of the CNS : I. Fine structures and neuro-transmitters in brain oedema (i) Around human brain tuberculomas, and (ii) Experimental brain oedema; and II. Effect of prolonged anticonvulsant medication in patients with chronic epilepsy on vitamins-B, lipids, proteins and liver. Bombay, 1976-78.

Dr. D.K. Dastur, Grant Medical College, Parel, Bombay.

1926. Prabhu, G.G.
A comparative study of orientation towards mental illness. A.I.I.M.S., Delhi, 1971-78.

Dr. J.S. Neki, Director, Post Graduate Institute of Medical Education and Research, Chandigarh.

1927. Subramanian, N. Haribara.
Changes in pineal structure and biogenic amines (1) with psychoactive drugs used in the therapy; and (2) in chosen conditions of induced stress. Madurai, 1974-78.

Dr. (Mrs.) S. Parvathy Devi, Dean, Madurai Medical College, Madurai.

1928. Venkoba Rao, A.
Depression, illness and suicide behaviour : Cultural and transcultural, epidemiological, clinical, lithinmological, biological, psychiatric, historical and allied aspects. *D.Sc.* Madras, 1978.

Viral Diseases

1929. Thiagarajan, S.P.
Studies on hepatitis B virus infection in Tamil Nadu laying special emphasis on the immunological and biochemical markers with an assessment on the antiviral properties of certain indigenous herbs. Madras, 1975-79.

Prof. S. Subramanian, Head, Department of Microbiology, Postgraduate Institute of Basic Medical Sciences, Madras.

Parasitic Diseases

1930. Govindasamy, S.
Mycotoxicoses : Penicilium patulum toxicoses studies in rats. Madras, 1974-79.

Prof. E.R.B. Shanmugasundaram, Department of Biochemistry, A C. College of Technology, Madras.

1931. Namasivayam, K. Mohan.
Mycotoxicoses : Studies on secondary metabolites of Aspergillus terreus. Madras, 1975-79.

Prof. E.R.B. Shanmugasundaram, Department of Biochemistry, A.C. College of Technology, Madras.

Cancer

1932. Bharati, R. Sarasa.
An enquiry into the histogenesis of intracranial tumours induced into small animals by chemical methods and a comparative study with human tumours. Madras, 1972-78.

Prof. S. Arumugam, Department of Pathology, Madras Medical College, Madras.

1933. Damle, S.R.
Studies on the isoenzymes in relation to cancer. Bombay, 1976-79.

Dr. (Mrs.) S.V. Bhide, Cancer Research Institute, Parel, Bombay.

934. Indap, M.A.
Studies in cancer chemotherapy. Bombay, 1973-79.

Dr. R.A. Ambaye, Cancer Research Institute. Parel, Bombay.

)35. Saravanan, C.S.
Endocrine and biochemical aspects of breast neoplasia. Madras, 1975-79.

Dr. P. Govindarajulu, Head, Division of Endocrinology, Postgraduate Institute of Basic Medical Sciences, Madras.

16. Somasundaram. K.
Studies in experimental tuberculosis and metabolism of Tubercle bacilli. Kerala, 1978.

Prof. T.A V. Subramanian, Department of Biochemistry, V P. Chest Institute, University of Delhi, Delhi.

EXPERIMENTAL MEDICINE

1937. Basu, Rita.
Study of the possible involvement of prostaglandins in the mechanism of uterine evacuation in pregnant rats. Calcutta, 1979.

1938. Biswas, Adhir Ranjan.
Effect of indigenous plant extracts on the fertility of male rats. Madras, 1972-79.

Prof. S.L. Basu, Department of Biology, Jawaharlal Nehru Institute of Postgraduate Medical Education and Research, Pondicherry.

Prof. M.N. Ghosh, Head, Department of Pharmacology, Jawaharlal Nehru Institute of Postgraduate Medical Education and Research, Pondicherry.

1939. Fernandes, G.
Immunobiological studies on inbred strains of mice susceptible to mammary cancer and leukemia. Bombay, 1976-79.

Dr. (Mrs.) K.J. Ranadive, Cancer Research Institute, Parel, Bombay.

1940. Jayatilak, P.G.
Rhythms in the hypothalamopituitary-testicular axis of male rats. Bombay, 1976-79.

Dr. A.R. Sheth, Grant Medical College, Parel, Bombay.

1941. Manga, P. Alamelu.
Hepatocytic alteration during oncogenesis in rat liver induced by small doses of carcinogens : A sequential study of structural and some biosynthetic histochemistry, immuno-histochemistry and serology. A.I.I.M S , Delhi, 1974-79.

Prof. N.C. Nayak, Department of Pathology, All India Institute of Medical Sciences, New Delhi.

1942. Puthuraya, K.P.
Effects of undernutrition in the electrophysiological activity of the developed brain in the rat. A.I.I.M.S., Delhi, 1975-79.

Dr. Usha Nayar, Assoc. Prof., Department of Microbiology, All India Institute of Medical Sciences, New Delhi.

1943. Sathi Devi, T.S.
Teratogenic effect of papain in rat fetuses. Banaras, 1973-79.

Prof. Samer Singh, Head, Department of Anatomy, Institute of Medical Sciences, Banaras Hindu University, Varanasi.

1944. Shetty, K.T.
Effect of the oral contraceptive hormones on neurotransmitters metabolism in rat brain. Bombay, 1975-78.

Dr. B.B. Gaitonde, Haffkine Institute, Parel, Bombay.

AYURVEDIC SYSTEM

Basic Principles

1945. Mishra, Shiv Narain.
A critical study of the literature on personal hygiene in principal Ayurvedic texts. Banaras, 1976-79.

Prof. L.V. Guru, Department of Basic Principles, Faculty of Medicine, Banaras Hindu University, Varanasi.

Prasuti Tantra

1946. Mishra, Chandra Mohan.
The gyanaecological development in Arurveda. Darbhanga, 1975-79.

Shri S.K. Sharma, Principal, Govt. Ayurved College, Patna.

Shalya Shalakya

1947. Gupta, Ramesh Chandra.
Role of stress in thyrotoxicosis and its management by indigenous drugs. Banaras, 1972-79.

Prof. K.N. Udupa, Department of Surgery, Institute of Medical Sciences, Banaras Hindu University, Varanasi.

1948. Prasad, Vidyanand.
Studies on arsha in relation to the liver function. Banaras, 1971-79.

Prof. P J. Deshpande, Head, Department of Shalya Shalakya, Institute of Medical Sciences, Banaras Hindu University, Varanasi.

ENGINEERING

Engineering Mechanics

1949. Gupta, L. Satyanarayana.
Application of finite element method to some mechanical engineering problems. I.I.T., Madras, 1979.
Prof V. Ramamurthi, Department of Applied Mechanics, Indian Institute of Technology, Madras.

Applied Dynamics

1950. Agrawal, Dev Prakash.
Some studies on flow through radial vaned diffusers. I.I.T., Delhi, 1978.
Prof. S.K. Yahya, Department of Mechanical Engineering, Indian Institute of Technology, New Delhi.

1951. Asthana, Shashi Bhushan Lal.
Entrance region flow in pipes and effects of inlet velocity profiles on the performance of conical diffusers. I.I.T., Kharagpur, 1973-79.

Prof. S.G. Mukherjee, Head, Department of Nechanical Engineering, Indian Institute of Technology, Kharagpur.

Dr. A.K. Mohanty, Asstt. Prof., Department of Mechanical Engineering, Indian Institute of Technology, Kharagpur.

1952. Deshpande, M K.
Investigations on flow control valves and systems. I.I.T., Bombay, 1975-79.

Prof. Subir Kar, Department of Mechanical Engineering, Indian Institute of Technology, Bombay.

1953. Domkundwar, Vasant Madhav Rao.
Theoretical and experimental investigations of recurring swirling jets passing through diffusers. I.I.T., Madras, 1979.

Dr. N. Sriramulu.

Prof. M.C. Gupta, Department of Mechanical Engineering, Indian Institute of Technology, Madras.

1954. Mishra, Veer Bhadra.
Studies on some problems of unsteady unsaturated and saturated flow through homogeneous porous medium. Banaras, 1970-79.

Prof. N. Roy, Department of Civil Engineering, Banaras Hindu University, Varanasi.

1955. Munaswamy, K.
Dynamic response of skew structures. I.I.T., Madras, 1979.

Dr. R.S. Srinivasan, Asstt. Prof., Department of Applied Mechanics, Indian Institute of Technology, Madras.

1956. Sambhrao, Santpur Swanand.
Some problems in unsteady flow. Shivaji, 1976-79.

Dr. V.M. Saundalgekar, Asstt. Prof., Department of Mathematics, Indian Institute of Technology, Bombay.

Applied Fluid Mechanics

1957. Seethapathi, P.V.
Finite element solutions of Darcy and Forchheimer flows around wells with storage. I.I.T., Kharagpur, 1975-79.

Dr. B.S. Rama Rao, Asstt. Prof., Department of Civil Engineering, Indian Institute of Technology, Kharagpur.

1958. Venkataraman, P.
Some studies on spatially varied flow in open channels with decreasing discharge. Venkateswara, 1973-78.

Prof. B. Mohan Rao, Head, Department of Civil Engineering, S.V.U. College of Engineering, Tirupati.

Engineering Materials

1959. Das, B.N.
Studies on *TL* and allied aspects of alumina ceramics and KCl. I.I.T., Kharagpur, 1973-79.

Dr. D.R. Rao, Asstt. Prof., Materials Science Centre, Indian Institute of Technology, Kharagpur.

Corrosion

1960. Desai, Harishchandra Gulabbhai.
Studies of various parameters on corrosion inhibitors. Gujarat (Chemistry) 1973-78.

Prof. M.N. Desai, Head. Department of Chemistry, Gujarat University, Ahmedabad.

1961. Desai, S.T.
Corrosion inhibition. Gujarat (Chemistry) 1979.

Prof. M.N. Desai, Head, Department of Chemistry, Gujarat University, Ahmedabad.

Strain

1962. Kar, R.C.
Stability of non-linear cantilever beams subjected to non-conservative forces. I.I.T., Kharagpur, 1979.

Prof. S.G. Mukherjee, Head, Department of Mechanical Engineering, Indian Institute of Technology, Kharagpur.

1963. Rao, A.C.
Analysis and synthesis of plane and space mechanisms with emphasis on effect of elasticity. *D.Sc.* Vikram, 1978.

1964. Rao, K.M.
Analysis of stresses and deformations of beams of composites. I.I.T., Kharagpur, 1972-79.

Prof. B.G. Ghosh, Department of Mechanical Engineering, Indian Institute of Technology, Kharagpur.

Stress

1965. Chaturvedi, S K.
Some experimental stress analysis techniques for fibrous composites. I.I.T., Kanpur, 1974-79.

Dr. B.D. Agrawal, Asstt. Prof., Department of Mechanical Engineering, Indian Institute of Technology, Kanpur.

1966. Lal, Krishna Murari.
On crack opening stress in fatigue crack propagation. Allahabad, 1975-79.

Dr. S B L. Garg, Department of Mechanical Engineering, M.N.R. Engineering College, Allahabad.

Systems Engineering

1967. Krishnamurthi, V.
New technique in system reduction using Routh parameters. I.I.T., Madras, 1979.

Prof. V. Seshadri, Department of Electrical Engineering, Indian Institute of Technology, Madras.

1968. Pal, Manabendranath.
On the application of control theory and mathematical programming in systems management. Calcutta, 1979.

1969. Rajaram, R.
Economic planning and control in integrated system. Madurai, 1972-79.

Prof. K. Nagappan, Head, Department of Electrical Engineering, Thiagarajar College of Engineering, Madurai.

1970. Rama Krishna Rao, P.
Certain generalizations of permutation-invariant systems. I.I.T., Kanpur, 1975-79.

Prof. V.P. Sinha, Department of Electrical Engineering, Indian Institute of Technology, Kanpur.

1971. Ramchand, K.
Systems engineering approach to air fleet and maintenance planning. I.I.Sc., Bangalore, 1975-79.

Prof. A.K. Rao, Department of Aeronautical Engineering, Indian Institute of Science, Bangalore.

Dr. V.V.S. Sarma, Asstt. Prof., School of Automation, Indian Institute of Science, Bangalore.

1972. Ravindra Kumar.
Systems modelling and analysis of foodgrain warehousing and transportation: A case study of wheat industry in Punjab Region. I.I.T., Delhi, 1974-79.

Prof. P.S. Satsangi, Head, Department of Electrical Engineering, Indian Institute of Technology, New Delhi.

1973. Tripathi, M.P.
On the analysis, synthesis and design of active networks for instrumentation and communication system. Jadavpur, 1975-79.

Dr. D.C. Patranabis, Reader, Department of Electronics and Telecommunication Engineering, Jadavpur University, Calcutta.

Biotechnology

1974. Joshanlal. P.S.
Synthesis and computer simulation of a nonlinear feedback control model of the national system using continuous system modelling program. I.I.T., Madras, 1978.

Dr. K.M. Patil, Bio-Medical Engineering Division, Indian Institute of Technology, Madras.

1975. Nagabhushana Rao, B.H.
Analysis of some human body structures. I.I.T., Madras, 1979.

Dr. K.M. Patil, Bio-Medical Engineering Division, Indian Institute of Technology, Madras.

1976. Palanichamy, M.S.
Human body responses to tractor vibrations and methods for their effective isolation. I.I.T., Madras, 1979.

Dr. M.N. Palial, Asstt. Prof., Department of Applied Mechanics, Indian Institute of Technology, Madras.

1977. Shri Dayal.
An experimental investigation of the maximum knee joint loading during level walking. I.I.T., Kanpur, 1972-78.

Prof. S.S. Rao, Department of Mechanical Engineering. Indian Institute of Technology, Kanpur.

1978. Vasudeva Rao, V.
Ultrasonic instrumentation systems for cardiac diagnosis and imaging. I.I.T., Madras, 1979.

Dr. T.M. Srinivas, Bio-Medical Engineering Division, Indian Institute of Technology, Madras.

ELECTRICAL ENGINEERING

1979. Dwivedi, Ramashray.
Technological investigations on cadmium sulphide solar cells. Banaras, 1974-79.

Dr. S.K. Srivastava, Reader, Department of Electronics Engineering, Faculty of Engineering and Technology, Banaras Hindu University, Varanasi.

1980. Paul, Pablo.
Breakdown characteristics of synthetic solid dielectrics immersed in high pressure gases and gaseous mixtures. I.I.T., Madras, 1979.

Dr. C. Narayana Reddy, Asstt. Prof., Department of Electrical Engineering, Indian Institute of Technology, Madras.

1981. Awadhanlu, T.V.
Evaluation and optimization of steady state performance of an inverter fed induction motor drive system. Roorkee, 1976-79.

Dr. R.B. Saxena, Reader, Department of Electrical Engineering, University of Roorkee, Roorkee.

1982. Chandrasekharaiah, H.S.
Natural frequencies and transient responses of 3-phase rotating machine windings with 120 thermal displacement. I.I.Sc., Bangalore, 1969-79.

Prof. B.I. Gururaj, Department of High Voltage Engineering, Indian Institute of Science, Bangalore.

1983. Das, Jiban Kishore.
A new method of starting single phase induction motor. Sambalpur, 1971-79.

Dr. S.C. Mahapatra, Reader, Department of Electrical Engineering, University College of Engineering, Burla.

1984. Krishnamoorthy, K.A.
Power factor control and reduction of line harmonics in thyristor power converters. I.I.T., Bombay, 1976-79.

Prof. G.N. Revankar, Department of Electrical Engineering, Indian Institute of Technology, Bombay.

1985. Manickam, K.
Studies on breaking of induction motors. Madurai, 1978.

Prof. K. Nagappan, Head, Department of Electrical Engineering, Thiagarajar College of Engineering, Madurai.

1986. Marimuthu, P.
Studies on pole-changing induction and commutator machines. Madras, 1973-79.

Dr. M.R. Krishnamurthi, Head, Department of Electrical Engineering, Regional Engineering College, Tiruchirapalli.

1987. Ranganatha Rao, K.
Analysis of inverter and asynchronous machine drives. I.I.T., Madras, 1979.

Dr. V.V. Sastry, Asstt. Prof., Department of Electrical Engineering, Indian Institute of Technology, Kanpur.

1988. Srinivasa Rao, N.V.
Nonlinear D/A and A/D converters: Some new techniques and applications. I.I.Sc., Bangalore, 1974-78.

Prof. B.S. Sonde, Department of Electrical Communication Engineering, Indian Institute of Science, Bangalore.

1989. Thakker, N.M.
Redesign of D.C. motors fed from rectifier supplies. I.I.T., Bombay, 1973-79.

Prof. R.E. Bedford, Department of Electrical Engineering, Indian Institute of Technology, Bombay.

1990. Zadgaonkar, A.S.
Electrical machines under different conditions with special reference to D.C. machines subjected to vibrations. Nagpur, 1978.

Prof. S.G. Tarnekar, Department of Electrical Engineering, V.R. College of Engineering, Nagpur.

Control Devices

1991. Abdul Kadir, M.S.
Effects of magnetic saturation of the loss drum and saliency of the poles on the performance of ferromagnetic eddy current brakes. I.I.T., Kharagpur, 1973-79.

Prof. K. Venkataratnam, Department of Electrical Engineering, Indian Institute of Technology, Kharagpur.

1992. Arunachalam, M.
Solid state speed control of induction motors. I.I.T., Kanpur, 1974-79.

Dr. M. Ramamoorty.

1993. Inderpal Singh.
Optimal load frequency control of power system with local state feedback only. B.I.T.S., Pilani, 1973-79.

Prof. I.J. Nagrath. Department of Electrical and Electronics Engineering, Birla Institute of Technology and Science, Pilani.

1994. Lall, S.N.
Static relays using integrated circuits and digital technique. I.I.T., Kanpur, 1975-79.

Dr. M. Ramamoorty.

Dr. K.R. Padiyar, Asstt. Prof., Department of Electrical Engineering, Indian Institute of Technology, Kanpur.

1995. Puthal, Bhagabat.
Optimal control of parallel AC-DC power systems. Sambalpur, 1972-79.

Prof. P.K. Dash, Department of Electrical Engineering, Regional Engineering College, Rourkela.

1996. Sarma, K.S.
Studies on the excitation control of synchoronous motor subjected to voltage dips. I.I.T., Kanpur, 1975-79.

Dr. M. Ramammoorty.

Dr. K.R. Padiyar, Asstt. Prof., Department of Electrical Engineering, Indian Institute of Technology, Kanpur.

1997. Vuppuluri, Gurusaran Das.
Characterization, measurement and compensation of transfer inefficiency of charge transfer devices. I.I.T., Delhi, 1976-79.

Prof. S.C. Dutta Roy, Department of Electrical Engineering, Indian Institute of Technology, New Delhi.

1998. Wani, N.S.
Thyristor controllers for slipring induction motors. I.I.T., Kanpur, 1970-79.

Dr. M. Ramamoorty.

Transmission

1999. Dharma Deo.
On reactive allocation in an electrical power system. Jadavpur, 1972-79.

Dr. S.K. Basu, Reader, Department of Electrical Engineering, Jadavpur University, Calcutta.

Dr. R.N. Dhar, Reader, Department of Electrical Engineering, Jadavpur University, Calcutta.

2000. Jha, Daya Kant.
Effects of rotor extension and end termination on the field distribution inside solid and hollow iron rotors. I.I.T., Kharagpur, 1972-79.

Prof. P.K. Rajagopalan, Department of Electrical Engineering, Indian Institute of Technology, Kharagpur.

2001. Kohli, Narendra Prasad.
Optimal power systems operation using mathematical programming. Roorkee, 1973-79.

Prof. T.S.M. Rao, Head, Department of Electrical Engineering, University of Roorkee, Roorkee.

Dr. K.B. Misra, Assoc. Prof., Department of Electrical Engineering, University of Roorkee, Roorkee.

2002. Paliwal, Laxmi Narain.
Large scale power system dynamic modelling and simulation : A graph theoretic approach. I.I.T., Delhi, 1975-78.

Prof. J. Nanda, Department of Electrical Engineering, Indian Institute of Technology, New Delhi.

Prof. P.S. Satsangi, Head, Department of Electrical Engineering, Indian Institute of Technology, New Delhi.

Dr. K.K. Pujara, Asstt. Prof., Department of Mechanical Engineering, Indian Institute of Technology, New Delhi.

2003. Prusti, Sashi Bhusan.
Digital simulation of power system with multiconductor transmission lines. Sambalpur, 1967-79.

Prof. P.K. Dash, Department of Electrical Engineering, Regional Engineering College, Rourkela.

Lines & Circuitry

2004. Khan, N.M.
Availability analysis of complex networks with applications in electric power systems. I.I.T., Bombay, 1975-79.

Prof. S.K. Banerjee, Department of Electrical Engineering, Indian Institute of Technology, Bombay.

2005. Krishan Gopal.
Reliability analysis of complex networks and systems. Kurukshetra, 1976-79.

Prof. K.K. Aggarwal, Department of Electrical and Communication Engineering, Regional Engineering College, Kurukshetra.

Prof. J.S. Gupta, Head, Department of Electrical and Communication Engineering, Regional Engineering College, Kurukshetra.

2006. Linga Reddy, Potla.
Some studies on the control and estimation in power systems through system subdivision. I.I.T., Delhi, 1974-78.

Dr. C.S. Indulkar, Asstt. Prof., Department of Electrical Engineering, Indian Institute of Technology, New Delhi.

Dr. B.S. Rao.

2007. Singh, L.P.
Group theoretic considerations in the analysis of power system network. I.I.T., Kanpur, 1973-79.

Prof. V.P. Sinha, Department of Electrical Engineering, Indian Institute of Technology, Kanpur.

Engineering Optics

Rajagopalan, N.
Laser-plasma interaction. I.I.Sc., Bangalore (Mechanical Engineering) 1974-79.

Dr. Som Krishan, Asstt. Prof., Department of Physics, Indian Institute of Science, Bangalore.

Prof. K. Krishna Prasad, Department of Mechanical Engineering, Indian Institute of Science, Bangalore.

9. Rama Rao, K.S.
Optical design of electromagnetic devices. I.I.T., Kanpur, 1975-79.

Dr. M. Ramamoorty.

ELECTRONIC ENGINEERING

Microwave Electronics

10. Das, Pradip Kumar.
Some studies in digital circuits and instrumentation. Jadavpur, 1976-79.

Prof. B. Nag, Department of Electronics and Telecommunication Engineering, Jadavpur University, Calcutta.

Prof. D.K. Basu, Department of Electronics and Telecomunication Engineering, Jadavpur University, Calcutta.

2011. Mallick, A.K.
Periodic waveguide structure. I.I.T., Kharagpur, 1975-79.

Prof. G.S. Sanyal, Director, Radar and Communication Centre, Indian Institute of Technology, Kharagpur.

2012. Srivastava, Komal Kishore.
A study of microwave line source antenna for high speed scanning. I.I.Sc., Bangalore, 1972-79.

Dr. V. Narayana Rao.

Prof. (Mrs.) R. Chatterjee, Department of Electrical Communication Engineering, Indian Institute of Science, Bangalore.

Short- & Long-Wave Electronics

2013. Biswas, Juran Chandra.
Role of impact ionization in electron devices. Allahabad, 1975-79.

Dr. Ved Mitra, Department of Physics, M.N.R. Engineering College, Allahabad.

2014. Kar, Meenakshi.
A study of transistor noise. Allahabad (Physics) 1973-78.

Dr. S.K. Ghosh, Reader, Department of Applied Physics, University of Allahabad, Allahabad.

2015. Pandey, Anil Kumar.
Studies on high voltage synklysmotron lenses. Banaras, 1975-79.

Prof. N.C. Vaidya, Department of Electronics Engineering, Faculty of Engineering and Technology, Banaras Hindu University, Varanasi.

2016. Partheeswara Prasad, K.
Computer aided analysis and design of one- and two-dimensional digital filters. I.I.T., Madras, 1979.

Dr. P. Subbarami Reddy, Asstt. Prof., Department of Electrical Engineering, Indian Institute of Technology, Madras.

2017. Patney, Rakesh Kumar.
Round off noise and coefficient sensitivity in digital filters. I.I.T., Delhi, 1975-79.

Prof. S.C. Dutta Roy, Department of Electrical Engineering, Indian Institute of Technology, New Delhi.

Microelectronics

2018. Sunder Ganesan, S.G. Nethaji.
Microstrip antennas at X-band. I.I.Sc., Bangalore, 1973-78.

Prof. (Mrs.) R. Chatterjee, Department of Electrical Communication Engineering, Indian Institute of Science, Bangalore.

Prof. M. Satyam, Departme t of Electrical Communication Engineering, Indian Institute of Science, Bangalore.

Computers

2019. Chauhan, Ranjeet Singh.
A computer architecture based on maximum bit utilisation. B.I.T.S., Pilani, 1972-79.

Prof. H.C. Misra, Information Processing Centre, Birla Institute of Technology and Science, Pilani.

2020. Chidananda Gowda, K.
Mutual nearest neighbourhood concept in pattern recognition methodology. I.I.Sc., Bangalore, 1975-79.

Prof. G. Krishna, School of Automation, Indian Institute of Science, Bangalore.

2021. Mathur, Aditya Prasad.
Digital simulation of railway yards. B.I.T.S., Pilani, 1972-79.

Prof. H.C. Misra, Information Processing Centre, Birla Institute of Technology and Science, Pilani.

2022. Paliwal, K.K.
Computer recognition of continuous speech. Bombay, 1975-79.

Dr. P.V.S. Rao, Tata Institute of Fundamental Research, Colaba, Bombay.

2023. Saxena, C.L.
Modelling and analysis of speech-data multiplexing systems. I.I.T., Bombay, 1975-79.

Prof. H.B. Kekre, Computer Centre, Indian Institute of Technology, Bombay.

2024. Sembugamoorthy, V.
A paradigmatic language requisition system. I.I.T., Bombay, 1973-79.

Prof. J.R. Isaac, Computer Centre, Indian Institute of Technology, Bombay.

2025. Srimani, Pradip Kumar.
Studies on fault detection and diagnosis in combinational networks and verification of programs. Calcutta, 1978.

2026. Warnekar, C.S.
Pattern classification using heuristic clustering procedures. I.I.Sc., Bangalore, 1973-79.

Prof. G. Krishna, School of Automation, Indian Institute of Science, Bangalore.

RADIO & COMMUNICATION ENGINEERING

2027. Nithynandam, N.
An investigation into certain stereo imaging techniques for television display system. I.I.T., Madras, 1979.

Prof. K.P. Rajappan, Department of Electrical Engineering, Indian Institute of Technology, Madras.

2028. **Pal, Sankar Kumar.**
Studies on the application of fuzzy set theoretic approach in some problems of pattern recognition and man machine communication by voice. Calcutta, 1979.

Radio Engineering

2029. Bhattacharyya, Gopa.
Studies on the realisations and applications of some active RC networks. Jadavpur, 1976-79.

Prof. A.R. Saha, Department of Electronics and Telecommunication Engineering, Jadavpur University, Calcutta.

2030. Datta, Shyamaprasad.
Some studies on minimum sensitive realisation of RC active networks. Jadavpur, 1973-78.

Dr. A.K. Nath, Reader, Department of Electronics and Telecommunication Engineering, Jadavpur University, Calcutta.

2031. Gupta, Bhagat Ram.
Investigation of impulse character of grounding system. Panjab, 1975-79.

Prof. B. Thapar, Head, Department of Electrical Engineering, Panjab Engineering College. Chandigarh.

2032. Mehra, D.K.
Identification and equalization of fading dispersive channels. I.I.T., Kanpur, 1971-78.

Prof. K.R. Sharma, Head, Department of Electrical Engineering, Indian Institute of Technology, Kanpur.

Prof. P.R.K. Rao, Department of Electrical Engineering, Indian Institute of Technology, Kanpur.

2033. Seshadri, M.S.
Analytical and experimental investigations of a class of standard performance aperture antennas. I.I.T., Madras, 1979.

Dr. K.S. Narasimhan, Department of Electrical Engineering, Indian Institute of Technology, Madras.

2034. Shastry, S. Vijaya Kumar.
Conformal antennas. I.I.Sc., Bangalore, 1974-79.

Dr. Anand Kumar, Asstt. Prof., Department of Electrical Communication Engineering, Indian Institute of Science, Bangalore.

HEAT ENGINEERING

2035. Esa, M.A.
Prediction of the combustion characteristics of cyclone furnaces. I.I.T., Bombay, 1975-79.

Dr. M. Achuthan, Asstt. Prof., Department of Mechanical Engineering, Indian Institute of Technology, Bombay.

2036. Narasimha Rao, A.
Experimental and theoretical investigations of swirling flame. I.I.T., Madras, 1979.

Prof. R. Natarajan, Department of Mechanical Engineering, Indian Institute of Technology, Madras.

Dr. K V. Gopalakrishnan, Asstt. Prof., Department of Mechanical Engineering, Indian Institute of Technology, Madras.

2037. Sarathy, C.P.
Experimental and analytical investigations on droplet diffusion flames. I.I.T., Madras, 1979.

Prof. R. Natarajan, Department of Mechanical Engineering, Indian Institute of Technology, Madras.

2038. Satyanarayana Rao, G.V.
Experimental and theoretical investigations of combustion in swirling flow. I I.T., Madras, 1979.

Dr. V. Sriramulu, Asstt. Prof., Department of Mechanical Engineering, Indian Institute of Technology, Madras.

2039. Shet, U.S. Premananda.
An experimental investigation of the effects of the flow turbulence on flame propagation and a study of instabilities in finished open flames. I.I.T., Madras, 1979.

Prof. M.C. Gupta, Department of Mechanical Engineering, Indian Institute of Technology, Madras.

Heat Transfer

2040. Abdul Majeed, P.M.
Studies on heat transfer during dry air cooling of food products. I.I.T., Madras, 1979.

Dr. N.V. Krishnamurthy, Department of Mechanical Engineering, Indian Institute of Technology, Madras.

2041. Albin, F.V.
Studies on heat transfer during freezing of food products. I.I.T., Madras, 1979.

Dr. S. Srinivasa Murthy, Lecturer, Department of Mechanical Engineering, Indian Institute of Technology, Madras.

2042. Benodekar, R.W.
Prediction of fluid flow and heat transfer in nuclear rod cluster assemblies. I.I.T., Bombay, 1976-79.

Dr. A.W. Date, Asstt. Prof., Department of Mechanical Engineering, Indian Institute of Technology, Bombay.

2043. Bhavsar, V.C.
Experimental and theoretical investigation on optimization of thermal design of cross flow finned-tube

heat exchangers considering some of the important parameters. Bhopal, 1978.

Dr. D.D. Agrawal, Head, Department of Mechanical Engineering, Maulana Azad College of Technology, Bhopal.

2044. Yardi, N.R.
Effects of turbulence intensity and integral length scale of a turbulent free stream on forced convection heat transfer from an circular cylinder in cross flow. I.I.T., Bombay, 1975-79.

Prof. S.P. Sukhatme, Department of Mechanical Engineering, Indian Institute of Technology, Bombay.

REFRIGERATION ENGINEERING

2045. Abdul Quadir, Ghulam.
Boundary layer development on low aspect ratio compressor blading of large chamber. I.I.Sc., Bangalore, 1973-79.

Prof. S. Soundarnayagam, Head, Department of Mechanical Engineering, Indian Institute of Science, Bangalore.

2046. Naganagouder, C.R.
Flow boiling of refrigerents inside horizontal tubes. I.I.T., Madras, 1979.

Dr. V. Seshagiri Rao, Asstt. Prof., Department of Mechanical Engineering, Indian Institute of Technology, Madras.

2047. Venkatesh, A.
Studies on intermittent ammonia solar refrigerator operating with a slot plate collector. I.I.T., Madras, 1979.

Prof. M.C. Gupta, Department of Mechanical Engineering, Indian Institute of Technology, Madras.

2048. Gupta, K.N.
Dynamic analysis of mechanisms containing flexible links. I.I.T., Kharagpur, 1970-79.

Prof. J.R. Rao, Department of Mathematics, Indian Institute of Technology, Kharagpur.

Prof. S.G. Mukherjee, Head, Department of Mechanical Engineering, Indian Institute of Technology, Kharagpur.

2049. Jeswani, M.L.
Some studies on electrical discharge machining. I.I.T., Kharagpur, 1974-79.

Dr. O.P. Gupta, Asstt. Prof., Department of Mechanical Engineering, Indian Institute of Technology, Kharagpur.

Machine Design

2050. Bhattacharyya, Debes.
Analysis of finned tubes forming. Jadavpur, 1973-78.

Prof. R.K. Chakraborty, Department of Mechanical Engineering, Jadavpur University, Calcutta.

Prof. A.K. De, Director, Indian Institute of Technology, Kanpur.

2051. Dharmadhikari, Shripad Waman.
Optimization of operating parameters in chip-forming and chip less machining processes. Kurukshetra, 1974-79.

Prof. C.S. Sharma, Department of Mechanical Engineering, Regional Engineering College, Kurukshetra.

2052. Parida, Ashutosh.
Theoretical and experimental investigations on cyclone separator. I.I.T., Kharagpur, 1974-79.

Prof. D.P. Ghosh, Department of Mechanical Engineering, Indian Institute of Technology, Kharagpur.

Journal Bearings

2053. Ajeet Singh.
Hydrodynamic journal bearings. Allahabad, 1976-79.

Dr. B.K. Gupta, Department of Mechanical Engineering, M.N.R. Engineering College, Allahabad.

2054. Ghosh, M.K.
Dynamic behaviour of externally pressurized multi-recess oil journal bearings. I.I.T., Kharagpur 1973-79.

Prof. J.S. Rao, Department of Mechanical Engineering, Indian Institute of Technology, Kharagpur.

Prof. B.C. Majumdar, Department of Mechanical Engineering, Indian Institute of Technology, Kharagpur.

2055. Rao, N.S.
Stiffness and damping characteristics of externally pressurized porous gas journal bearings. I.I.T., Kharagpur, 1976-79.

Prof. S G. Mukherjee, Head, Department of Mechanical Engineering, Indian Institute of Technology, Kharagpur.

Prof. B.C. Majumdar, Department of Mechanical Engineering, Indian Institute of Technology, Kharagpur.

2056. Vinay Kumar.
Some investigations in laminar and turbulent regimes of hydrodynamic journal bearings. Kurukshetra, 1974-79.

Prof. S.V. Kulkarni, Head, Department of Mechanical Engineering, Regional Engineering College, Kurukshetra.

Machine Tools

2057. Narasimha Reddy, P.
Performance of rotary tools. Kakatiya, 1975-78.

Dr. P.K. Venu Vinod, Asstt. Prof., Department of Mechanical Engineering, Regional Engineering College, Warangal.

2058. Narayana Rao, M.
Some investigations into mechanics of drawing circular and non-circular cross-section wires. J.N. Tech., 1976-79.

Dr. T A. Hafeez Khan, Asstt. Prof., Department of Civil Engineering, Engineering College, Anantapur.

Planing & Milling Tools

2059. Dube, Janhavi Narain.
Dynamic analysis of milling machine structure. I.I.T., Delhi, 1973-78.

Dr. R. Natarajan, Asstt. Prof., Department of Applied Mechanics, Indian Institute of Technology, New Delhi.

Abrading & Grinding Tools

2060. Basuray, P.K.
Simulation of surface generated in fine grinding : A probabilistic approach. I.I.T., Kanpur, 1974-79.

Prof. G.K. Lal. Department of Mechanical Engineering, Indian Institute of Technology, Kanpur.

Dr. B. Sahay, Asstt. Prof., Department of Mechanical Engineering, Indian Institute of Technology, Kanpur.

2061. Pandeya, Satya Jiwan.
Wheel wear mechanism and tool life in fine grinding. Kanpur, 1978.

2062. Venkata Rao, G.
Application of the finite element and photoelastic methods to the analysis and design of grinding wheels. I.I.T., Madras, 1979.

Prof. M. Chandrasekaran, Department of Mechanical Engineering, Indian Institute of Technology, Madras.

Drilling Tools

2063. Chitale, Avinash Krishan.
Investigations in the mechanics of drilling process. Indore, 1973-78.

Prof. C.S. Sharma, Department of Mechanical Engineering, M.B.M. Engineering College, Jodhpur.

MINING ENGINEERING

2064. Paithankar, A.G.
Drillabilities of some Indian rocks with regard to percurssive drilling. I.I.T., Kharagpur, 1973-79.

Prof. G.B. Misra, Department of Mining Engineering, Indian Institute of Technology, Kharagpur.

CIVIL ENGINEERING

Engineering Geology

2065. Chakraborty, Sukdeb.
Study of the swelling behaviour of Indian black-cotton soils and their analysis by energy concept. I.I.T., Kharagpur, 1972-79.

Prof. B.R. Sen, Department of Civil Engineering, Indian Institute of Technology, Kharagpur.

Dr. A.N.R. Char, Department of Civil Engineering, Indian Institute of Technology, Kharagpur.

2066. Rajagopalan, S.P.
Digital models for aquifer evaluation in alluvial plants with special reference to anisotropy and partial penetration. I.I.T., Kanpur, 1974-79.

Prof. V. Lakshminarayana, Department of Civil Engineering, Indian Institute of Technology, Kanpur.

2067. Sahu, B.K.
Basic studies on mineral mixtures in relation to engineering behaviour of natural soils. I.I.T., Kanpur, 1974-79.

Prof. Yudhbir, Department of Civil Engineering, Indian Institute of Technology, Kanpur.

Prof. B.C. Raymahashay, Department of Civil Engineering, Indian Institute of Technology, Kanpur.

2068. Subbarao, K.V.
Physico-chemical behaviour of lime treated soils. I.I.T., Madras. 1979.

Prof. K S. Sankaran, Head, Department of Civil Engineering, Indian Institute of Technology, Madras.

Dr. S. Narasimha Rao, Department of Chemistry, Indian Institute of Technology, Madras.

Soil Mechanics

2069. Janakiram, K.S.
Studies on the characteristics of erosion due to impingement of plain jets and jets with cavitation inducers. I.I.Sc., Bangalore, 1973-79.

Dr. B.C. Syamala Rao, Asstt. Prof., Department of Civil Engineering, Indian Institute of Science, Bangalore.

2070. Joshi, S.G.
Effect of drainage system and anisotropy on seepage characteristics below hydraulic structures. I.I.T., Bombay, 1964-79.

Prof. J.T. Panikar, Department of Civil Engineering, Indian Institute of Technology, Bombay.

2071. Mehter Mohamed Allam.
Sheer strength and volume change behaviour of desiccated soils. I.I.Sc., Bangalore, 1973-78.

Prof. A. Sridharan, Department of Civil Engineering, Indian Institute of Science, Bangalore.

2072. Sadana, Madan Lal.
Consolidation and shear strength characteristics of normally consolidated silt-clay matrices and related microstructures. Banaras, 1973-79.

Prof. R.B. Singh, Department of Civil and Municipal Engineering, Faculty of Engineering and Technology, Banaras Hindu University, Varanasi.

2073. Satija, Bhim Sen.
Shear behaviour of partially saturated soils. I.I.T., Delhi, 1975-79.

Prof. S.K. Gulhati, Department of Civil Engineering, Indian Institute of Technology, New Delhi.

Foundation Engineering

2074. Gulam Murtaza.
Time dependent behaviour of single piles under lateral loads in cohesive soil. Roorkee, 1972-79.

Prof. Shamsher Prakash, Department of Civil Engineering, University of Roorkee, Roorkee.

Prof. Gopal Rajan, Department of Civil Engineering, University of Roorkee, Roorkee.

2075. Shah, V.L.
Finite element analysis of foundation structures considering structure-soil interaction. I.I.T., Bombay, 1975-79.

Prof. D.N. Burogohain, Department of Civil Engineering, Indian Institute of Technology, Bombay.

2076. Shiva Ram, Bhartula.
A study of compaction and engineering behaviour of soil due to foam propellants. Roorkee, 1970-79.

Prof. W.U. Malik, Head, Department of Chemistry, University of Roorkee, Roorkee.

Dr. K.B. Agarwal, Assoc. Prof., Department of Civil Engineering, University of Roorkee, Roorkee.

2077. Tripathi, S.N.
Coupled racking and sliding vibrations of embedded footings. I.I.T., Kanpur, 1973-79.

Prof. N.S.V.K. Rao, Department of Civil Engineering, Indian Institute of Technology, Kanpur.

2078. Vitkar, P.P.
Studies on prediction, reliability, and improvement of foundation behaviour of soils. I.I.T., Kanpur, 1975-79.

Prof. M.R. Madhav, Department of Civil Engineering, Indian Institute of Technology, Kanpur.

Structural Analysis

2079. Balasubramonian, S.
A stochastic approach to the analysis of structures subjected to random excitations. Poona, 1973-79.

Dr. K.S.S. Iyer, Department of Civil Engineering, College of Military Engineering, Pune.

2080. Pujar, Krishnaji Lakshmanarao.
An investigation of strip rafts on non-homogeneous elastic half-space. I.I.T., Madras, 1979.

Dr. B. Ramanathan, Asstt. Prof., Department of Civil Engineering, Indian Institute of Technology, Madras.

Loads

2081. Bhattacharyya, Utpalendu.
Theoretical and experimental investigation of nonlinear consolidation of clay under time dependent loading. Jadavpur, 1974-79.

Ex.-Prof. C.R. Gangopadhyay.

2082. Janardhana Iyengar, K.
Inelastic analysis of structures under impulsive and random loads I.I.Sc., Bangalore, 1974-79.

Prof. S. Anantha Ramu, Department of Civil Engineering, Indian Institute of Science, Bangalore.

Dr. R. Narayana Iyengar, Department of Civil Engineering, Indian Institute of Science, Bangalore.

Stresses & Strains

2083. Bhatnagar, Ashok.
Viscoelastic behaviour of glass-reinforced plastics and their other properties at ambient and elevated temperatures. I.I.T., Bombay, 1974-79.

Prof. C.K. Ramesh, Department of Civil Engineering, Indian Institute of Technology, Bombay.

2084. Lakshmanan, N.
Studies on combined torsion in reinforced concrete weir elements. I.I.T., Madras, 1979.

Dr. R. Johnson Victor, Department of Civil Engineering, Indian Institute of Technology, Madras.

2085. Prasada Rao, K.N.V.
Tall buildings with staggered shear walls. I.I.T., Delhi, 1972-78.

Prof. K. Seetharamulu, Department of Civil Engineering, Indian Institute of Technology, New Delhi.

Dr. S. Krishnamurthy, Asstt. Prof., Department of Civil Engineering, Indian Institute of Technology, New Delhi.

2086. Rao, M.R.J.
Some studies of earth pressure on rigid curved retaining structures. I.I.T., Kharagpur, 1974-79.

Dr. P. Venkatanarayana, Asstt. Prof., Department of Civil Engineering, Indian Institute of Technology, Kharagpur.

2087. Ray, Sujit Kumar.
Strength and stiffness of prestressed concrete flanged sections under bending, shear and torsion. Kharagpur, 1975-79.

Dr. M. Mukhopadhyay, Asstt. Prof., Department of Civil Engineering, Indian Institute of Technology, Kharagpur.

Earthquake Engineering

2088. Chandrasekharan, D.
Volcanism and tectonism of the Deccan traps along Alibag-Srivardhan Coast and around Koyna, Maharashtra. I.I.T., Bombay, 1974-79.

Prof. A. Parthasarthy, Department of Civil Engineering, Indian Institute of Technology, Bombay.

2089. Gupta, Mani Kant.
Liquefacation of sand during earthquakes. Roorkee, 1967-79.

Prof. Shamsher Prakash, Department of Civil Engineering, University of Roorkee, Roorkee.

2090. Qamaruddin, Mohammad.
Development of brick building systems for improved earthquake performance. Roorkee, 1975-79.

Prof. A.S. Arya, Head, Department of Earthquake Engineering, University of Roorkee, Roorkee.

Prof. B.C. Mathur, Department of Earthquake Engineering, University of Roorkee, Roorkee.

2091. Reddy, V.V.
Geochemistry of volcanic rocks from the Indian Ocean. I.I.T., Bombay, 1975-79.

Dr. K.V. Subba Rao, Asstt. Prof., Department of Civil Engineering, Indian Institute of Technology, Bombay.

092. Reghuprasad, B.K.
Some problems in the inelastic response of structures subjected to earthquakes. I.I.Sc., Bangalore, 1973-79.

Dr. K.S. Jagadish, Asstt. Prof., Department of Civil Engineering, Indian Institute of Science, Bangalore.

Structural Design

Beams

093. Gayen, Pankaj Kumar.
Torsion in I. beams under the effect of concentrated and distributed loading. North Bengal, 1977-79.

Prof. N.C. Sinha, Department of Civil Engineering, Jalpaiguri Govt. Engineering College, Jalpaiguri.

094. Venkatraman, R.
Flexural and shear behaviour of concrete beams of varying depth. I.I.T., Madras, 1979.

Dr. V. Paramasivam, Asstt. Prof., Department of Civil Engineering, Indian Institute of Technology, Bombay.

Frames

095. Gurujee, C.S.
Some studies on structural optimization of skeletal frame-works. I.I.T., Bombay, 1971-79.

Prof. C.K. Ramesh, Department of Civil Engineering, Indian Institute of Technology, Bombay.

096. Kayal, Sujata.
Nonlinear analysis of plane frame-wall systems. I.I.T., Delhi, 1972-79.

Prof. A.K. Basu, Head, Department of Civil Engineering, Indian Institute of Technology, New Delhi.

2097. Bandyopadhyay, J.N.
Analytical study of the shell characteristics of hyperbolic paraboloid and paraboloid of revolution shell structures. I.I.T., Delhi, 1974-79.

Prof. D.P. Ray, Department of Civil Engineering, Indian Institute of Technology, Kharagpur.

2098. Datta, Sripati.
Some linear and nonlinear problems of thin elastic plates placed on elastic foundation. North Bengal, 1978.

Dr. Barun Kumar Banerjee, Asstt. Prof., Jalpaiguri Govt. Engineering College, Jalpaiguri.

2099. Rajamani, A.
Dynamic response of composite plates with cut-outs and holes. I.I.T., Kanpur (Mechanical Engineering) 1972-79.

Dr. R. Prabhakaran, Asstt. Prof., Department of Mechanical Engineering, Indian Institute of Technology, Kanpur.

2100. Seetharam, P.
Analysis of conoidal shells. Madras, 1971-78.

Prof. G.V. Krishan Reddy, Head, Department of Mathematics, P.S.G. College of Technology, Coimbatore.

2101. Shivakumar, K.N.
Dynamics of composite shells. I.I.Sc., Bangalore Aeronautical Engineering) 1975-79.

Prof. A.V. Krishnamurty, Department of Aeronautical Engineering, Indian Institute of Science, Bangalore.

2102. Surayya, K.
Limit analysis of reinforced concrete cylindrical shell roofs. I.I.T., Kanpur, 1976-79.

Dr. A.S.R. Sai, Asstt. Prof., Department of Civil Engineering, Indian Institute of Technology, Kanpur.

Concretes

2103. Puri, Narendra.
Probabilistic study of time dependent properties of plain and fly ash concrete. Roorkee, 1975-79.

Prof. O.P. Jain, Director, Indian Institute of Technology, New Delhi.

Prof. Prem Krishna, Department of Civil Engineering, University of Roorkee, Roorkee.

2104. Venkateswarlu, Thommandra.
Time dependent behaviour of prestressed and reinforced concrete members and structures. Andhra, 1979.

Dr. V. Jagannadha Rao, Lecturer, Department of Civil Engineering, Andhra University, Waltair.

Bridges

2105. Venkataramanayya, P.
Dynamic response of highway bridges. I.I.T., Madras, 1979.

Dr. R. Radhakrishnan, Asstt. Prof., Department of Civil Engineering, Indian Institute of Technology, Madras.

Town Planning

2106. Mukhopadhyay, Rabindranath.
A new concept of planning for housing with precast reinforced concrete troughed panels as substitute to conventional building materials. Calcutta, 1979.

2107. Srinivasa Rao, M.
Evaluation of layered system functioning in pavements with different base courses and subgrades. Sambalpur, 1979.

HYDRAULIC ENGINEERING

2108. Biswas, Amarendra Nath.
Morphological changes in an alluvial channel due to sedimentation processes with reference to Bhagirathi-Hooghly river system in the Indo-Gangetic delta. Jadavpur, 1974-78.

Prof. B.N. Chanda, Department of Mechanical Engineering, Jadavpur University, Calcutta.

Dr. S.K. Bhattachary, Chief Hydraulic Engineer, Port Commissions, Calcutta.

2109. Jayarami Reddy, P.
Optimal operation of reservoirs system in Godavari Basin. Kakatiya, 1976-79.

Prof. R. Raghavendran, Department of Civil Engineering, Regional Engineering College, Warangal.

2110. Karandikar, S.S.
Control of sea water intrusion by strip recharge. I.I.T., Bombay, 1975-79.

Prof. S.H. Nagaraja, Head, Department of Civil Engineering, Indian Institute of Technology, Bombay.

MUNICIPAL ENGINEERING

Water Supply

2111. Bhave, Pramod Raghunath.
Optimization of water distribution systems. Nagpur, 1975-78.

Dr. R.N. Ingle, Department of Civil Engineering, V.R. College of Engineering, Nagpur.

2112. Handa, Bal Krishna.
A study of extended aeration process for treatment of waste waters. Nagpur, 1969-78.

Prof. S J. Arcelvala, Director, National Environmental Engineering Research Institute, Nagpur.

2113. Nikhil Kumar.
Biochemical aspects of water pollution : Effects of polluted irrigation water on crop plants. Meerut (Botany) 1979.

Dr. D. Banerjee, Reader, Department of Plant Sciences, Institute of Advanced Studies, Meerut University, Meerut.

2114. Pandey, M.P.
Investigation on the use of coal for removing mercury from water. I.I.T., Kanpur, 1976-79.

Prof. Malay Choudhuri, Department of Civil Engineering, Indian Institute of Technology, Kanpur.

Pollution

2115. Balasubramaniam, N.
Chemical analysis of inorganic gaseous pollutants. I.I.T., Madras (Chemistry) 1979.

Dr. T.V. Ramakrishna, Asstt. Prof., Department of Chemistry, Indian Institute of Technology, Madras.

2116. Desai, Sudhir Raghuvir.
Studies in environmental pollution. Gujarat (Chemistry) 1974-78.

Dr. R.K. Shah, Reader, Department of Chemistry, Gujarat University, Ahmedabad.

AERONAUTICAL ENGINEERING

Aerodynamics

2117. Arunachalam, M.
Investigation of higher order boundary layer effects in incompressible flow with heat transfer. I.I.T., Madras. 1979.

Prof. N.R. Rajappa, Department of Aeronautical Engineering, Indian Institute of Technology, Madras.

2118. Satyanarayana, G.
Some studies on laminar boundary layers. I.I.T., Bombay, 1973-79.

Prof. S.K. Ojha, Department of Aeronautical Engineering, Indian Institute of Technology, Bombay.

2119. Shevare, G.R.
Flow past lifting and non-lifting aerodynamic surfaces. I.I.T., Bombay, 1973-79.

Prof. S.K. Ojha, Department of Aeronautical Engineering, Indian Institute of Technology, Bombay.

Aviation Meteorology

2120. Rao, Kusuma G.
Some studies on the mean-meridional circulation and its relation to the Indian Southwest Monsoon droughts. I I.Sc., Bangalore, 1973-79.

Prof. M. Sankar Rao, Department of Aeronautical Engineering, Indian Institute of Science, Bangalore.

Aircraft Components

2121. Chandraker, Amrit Lal.
Some studies on aeroacoustics of an isolated turbulent jet with particular reference to the exhaust noise of a jet engine. I.I.Sc., Bangalore (Mechanical Engineering) 1973-79.

Dr. M.L. Munjal, Asstt. Prof., Department of Mechanical Engineering, Indian Institute of Science, Bangalore.

2122. Eshwar, V.A.
Partial contact and friction in pin joints. I.I.Sc., Bangalore, 1975-79.

Prof. A.K. Rao, Department of Aeronautical Engineering, Indian Institute of Science, Bangalore.

Dr. B. Dattagure, Asstt. Prof., Department of Aeronautical Engineering, Indian Institute of Science, Bangalore.

Astronautics

2123. Hablani, Hari Bhagwan.
On the dynamics of damped gravity oriented flexible satellites. I.I.Sc., Bangalore, 1975-78.

Dr. S.K. Shrivastava, Asstt. Prof., Department of Aeronautical Engineering, Indian Institute of Science, Bangalore.

2124. Radhakrishnaiah Chetty, P.
Spacecraft power systems : Some new techniques for performance improvement. I.I.Sc., Bangalore (Electrical Communication Engineering) 1974-78.

Dr. K. Kasturirangan.

Prof. B.S. Sonde, Department of Electrical Communication Engineering, Indian Institute of Science, Bangalore.

AUTOMOBILE ENGINEERING

2125. Lakshminarayanan, P.A.
Study of unsteady gas exchange processes in electrical combustion engine. I.I.T., Madras, 1979.

Dr. R.S. Murthy, Department of Mechanical Engineering, Indian Institute of Technology, Madras.

2126. Madan, Mulkraj.
Coal based benzole as gasoline extender and spark ignition engine fuel performance, fuel economy and exhaust emission characteristics. I.I.T., Delhi, 1974-78.

Prof. H.B. Mathur, Head, Department of Mechanical Engineering, Indian Institute of Technology, New Delhi.

2127. Srinivasa Murthy, N.
Analytical simulation of the pressure-time phenomena in jerk pump fuel injection systems. I.I.Sc., Bangalore, 1965-79.

Prof. M.V. Narasimhan, Department of Mechanical Engineering, Indian Institute of Science, Bangalore.

AUTOMATIC CONTROL ENGINEERING

2128. Vinod Chandra.
A new system for automatic detection of trains. I.I.T., Delhi, 1971-78.

Prof. P.V. Indiresan, Centre for Applied Research in Electronics, Indian Institute of Technology, New Delhi.

Feedback Systems

2129. Naidu, D.S.
Application of singular perturbation technique to problems in continuous and discrete control systems. I.I.T., Kharagpur, 1974-79.

Prof. P.K. Rajagopalan, Department of Electrical Engineering, Indian Institute of Technology, Kharagpur.

Nonlinear Mechanisms & Systems

2130. Dash, Prafulla Kumar.
Random vibration of non-linear and stochastic systems. I.I.Sc., Bangalore, 1973-79.

Prof. C.V. Joga Rao Department of Aeronautical Engineering, Indian Institute of Science, Bangalore.

Dr. R. Narayana Iyengar, Asstt. Prof., Department of Aeronautical Engineering, Indian Institute of Science, Bangalore.

2131. Joshi, Shridhar Govind.
Response of a non-linear third-order gyrostabilized platform system to transient and random inputs. I.I.Sc., Bangalore, 1974-78.

Prof. P. Srinivasan, Department of Mechanical Engineering, Indian Institute of Science, Bangalore.

2132. Krishnan, A.
Studies in nonlinear discrete time systems. I.I.T., Kanpur, 1975-79.

Dr. R. Subramanian, Department of Electrical Engineering, Indian Institute of Technology, Kanpur.

2133. Subramanian, S.
Frequency response identification of nonlinear systems. I.I.T., Kharagpur, 1973-79.

Prof. Y.P. Singh, Department of Electrical Engineering, Indian Institute of Technology, Kharagpur.

2134. Tiwari, R.N.
Free and forced oscillations in a class of nonlinear systems. I.I.T., Kanpur, 1972-79.

Dr. R. Subramaniam.

AGRICULTURE

Agricultural Statistics

2135. Bhattacharyya, Basanta Kumar.
Some contributions to the theory of non-sampling errors. I.A.R.I., Delhi, 1974-79.

Shri K.S. Krishnan, Division of Agricultural Research Statistics, Indian Agricultural Research Institute, New Delhi.

2136. Patel, Natverlal Maganlal.
Comparison of the fan design with the conventional designs for spacing experiments : An emperical study. Gujarat Agrl., 1979.

Prof. Ramjibhai M. Patel, Department of Statistics, B.A. College of Agriculture, Anand.

2137. Sisodia, Bhupendra Veer Singh.
On preliminary test estimation procedures and bias in repeated surveys. I.A.R.I., Delhi, 1975-79.

Dr. Daroga Singh, Director, Division of Agricultural Research Statistics, Indian Agricultural Research Institute, New Delhi.

2138. Vaishnav, Mahesh Ramniklal.
A study on the variety environment interaction in groundnut in Gujarat. Gujarat Agrl., 1978.

Prof. Ramjibhai M. Patel, Department of Agricultural Statistics, B.A. College of Agriculture, Anand.

Agricultural Economics

2139. Ayodhya Prasad.
Impact of modern technology on production pattern and resource use productivity of small farms in

Chaka Block of Allahabad District. Kanpur, 1979.

Dr. I.L. Shrivastava, Head, Department of Economics, K.A.D. College, Allahabad.

2140. Ayyaswami, P.K.
Farm labour-use patterns and employment potential in Coimbatore District : Programming approach. Tamil Nadu Agrl., 1972-78.

Dr. V. Rajagopalan, Director of Research, Tamil Nadu Agricultural University, Coimbatore.

2141. Malhotra, Vinod Kumar.
Impact of technological changes on human labour employment and its productivity in agriculture in Kashi Vidyapith Block, Varanasi District, U.P. Banaras, 1976-79.

Dr. B.D. Shukla, Lecturer, Department of Agricultural Economics, Faculty of Agriculture, Banaras Hindu University, Varanasi.

2142. Misra, Harsh Kumar.
A study of farm finance in Kashi Vidyapith Block, Varanasi District, U.P. Banaras, 1974-79.

Prof. G.S. Lavania, Department of Agricultural Economics, Faculty of Agriculture, Banaras Hindu University, Varanasi.

2143. Pawar, Jagannathrao Rau.
Changes in resource use structure, resource productivities and allocation efficiency on farms in Maharashtra. Mahatma Phule Krishi, 1971-79.

Dr. T.K.T. Acharya, Agrl. Economist, Andhra Bank Ltd., Central Office, Sultan Bazar, Hyderabad.

2144. Rai, Kedar Nath.
Farm income stabilization in the dry farming areas of Haryana. Haryana Agrl., 1974-79.

Dr. I.J. Singh, Department of Agricultural Economics, Haryana Agricultural University, Hissar.

2145. Ray, Ajit Kumar.
Optimisation of resource use in irrigated farms of Hooghly District : An application of linear programming techniques. I.A.R.I., Delhi, 1975-79.

Dr. C.C. Maji, Division of Agricultural Economics, Indian Agricultural Research Institute, New Delhi.

2146. Singh, Raj Pal.
Impact of farm mechanization on employment and income in Western Uttar Pradesh. Meerut, 1974-79.

Dr. H.S. Sharma.

Dr. I.J. Singh, Department of Agricultural Economics, J.V. College, Baraut.

*2147. Umakesan, R.
Structure of coffee production in India : An econometric analysis. Tamil Nadu Agrl., 1972-78.

Dr. V. Rajagopalan, Director of Research, Tamil Nadu Agricultural University, Coimbatore.

Agricultural Extension

2148. Bezborah, Sailendra Nath.
Factors affecting adoption of improved agricultural technology for paddy cultivation by the farmers of Assam. Punjab Agrl., 1974-78.

Prof. Raghbir Singh, Department of Extension Education, Punjab Agricultural University, Ludhiana.

2149. Daljit Kaur.
Content analysis and listeners' reactions towards women's programme broadcasted from All India Radio, Jullundur. Punjab Agrl., 1975-79.

Dr. A.N. Shukla, Assoc. Prof., Department of Extension Education, Punjab Agricultural University, Ludhiana.

2150. Gupta, M.P.
A study of communication and adoption of agricultural technology. Gorakhpur, 1979.

2151. Kartar Singh.
A study of neo-marginal farmer's farming situations and socio-economic impact of new agricultural technology. I.A.R.I., Delhi, 1972-79.

Dr. S.N. Singh, Head, Division of Agricultural Extension, Indian Agricultural Research Institute, New Delhi.

2152. Kaura, Dilip Kumar.
Development, textual and format criteria for an effective Hindi farm magazine. I.A.R.I., Delhi, 1975-79.

Dr. P.N. Mathur, Division of Agricultural Extension, Indian Agricultural Research Institute, New Delhi.

2153. Laharia, Surendra Nath.
A study of personal and organizational variables influencing productivity of agricultural scientists. Haryana Agrl., 1973-78.

Dr. Y.P. Singh, Asstt. Prof., Department of Extension Education, Haryana Agricultural University, Hissar.

2154. Mishra, Saryu Prasad.
A study of farm entrepreneurship in a backward district of Bihar. I.A.R.I., Delhi, 1975-79.

Dr. B.P. Sinha, Division of Agricultural Extension, Indian Agricultural Research Institute, New Delhi.

2155. Nathu Singh.
Study on rationality of credit patterns and adoption of new cropping pattern in small farmers development agency, District Fatehpur of U.P. Kanpur, 1979.

Dr. Daulat Singh, Head, Department of Agricultural Extension, C.S. Azad University of Agriculture and Technology, Kanpur.

2156. Patel, Narendrabhai Chimanbhai.
Communication patterns between source linkage and consumers of farm technology in Gujarat. Gujarat Agrl., 1973.

Dr. I.C. Patel, Director of Extension Education, Gujarat Agricultural University, Ahmedabad.

2157. Patel, Shilvantkumar Mangaldas.
Study of purchase behaviours of pumpset owners of Kheda District, Gujarat. Gujarat Agrl., 1978.

Prof. D.N. Pandya, Department of Extension Education, N.M. College of Agriculture, Navsari.

2158. Sadamate, Vishwanath Vishnu.
A study of tribal farming system and technological gaps. I.A.R.I., Delhi, 1975-79.

Dr. K.N. Singh, Division of Agricultural Extension, Indian Agricultural Research Institute, New Delhi.

2159. Saini, Gurbachan Singh.
Potentials of distance teaching: A study of the correspondence courses for small and marginal farmers of Punjab State. Punjab Agrl., 1976-79.

Dr. A.S. Dhaliwal, Assoc. Prof., Department of Extension Education, Punjab Agricultural University, Ludhiana.

2160. Sinha, Rameshchandra Ramlalsingh.
Critical analysis of the use of audio-visual aids by extension teachers and extension workers. Punjabrao Krishi, 1972-78.

Shri U.G. Deshpande.

Agricultural Physics

2161. Javed Afzal, S.M.
Chemical modification of radiation damage in relation to the decay of the radiation induced oxygen-sensitive and insensitive sites in barley seeds. Jawaharlal Nehru, 1974-78.

Prof. P.C. Kesavan, School of Life Sciences, Jawaharlal Nehru University, New Delhi.

2162. *Nagarajan, Shantha.*
A study of cell water for elucidating the mechanism of thermal resistance of crop plant, wheat. I.A.R.I., Delhi, 1975-79.

Dr. B.C. Panda, Division of Agricultural Physics, Indian Agricultural Research Institute, New Delhi.

Agricultural Chemistry

2163. Awasthi, Chandra Prakash.
Biochemical investigations in pea, Pisum sativum L. varieties. C.S. Azad Agrl., 1979.

Dr. R.D. Tripathi, Asstt. Prof., Department of Soil Science and Agricultural Chemistry, C.S. Azad University of Agriculture and Technology, Kanpur.

2164. Chavan, Jayasing Kondiba.
Investigations on tannin protein complex in grain sorghum. Marathwada Agrl., 1979.

Prof. C.P. Ghonsikar, Department of Soil Science and Agricultural Chemistry, College of Agriculture, Marathwada Agricultural University, Parbhani.

2165. Chetal, Shashi.
Effect of water stress on lipid components of wheat and barley. Haryana Agrl., 1974-79.

Prof. D.S. Wagle, Head, Department of Chemistry and Biochemistry, Haryana Agricultural University, Hissar.

Agricultural Microbiology

2166. Balasubramanya, R.H.
Microbial metabolism and behaviour in soil of two carboxamiligle fungicides. Agrl. Sc., Bangalore, 1973-78.

Dr. R.B. Patil, Director, of Instruction (Agricultural), Agricultural College, Dharwad.

2167. Desai, Subodhchandra Bachubhai.
Post harvest losses in fruits and chemical control of rotting. Patel, 1974-78.

Dr. M.V. Desai, Director, Gujarat Agricultural University, Anand Campus, Anand.

2168. Kulkarni, J.H.
Saprophytic survival of Pseudomonas solanacearum E.E. Smith in black clayey and red sandy loam soils of Karnataka Agrl. Sc., Bangalore, 1973-78.

Dr. R.B. Patil, Director of Instruction (Agricultural), Agricultural College, Dharwad.

2169. Raizada, Madhu.
Studies on rhizosphere microflora of some vegetables : Studies on rhizosphere microflora of tomato. Allahabad, 1973-79.

Dr. Sudhir Chandra, Department of Botany, University of Allahabad, Allahabad.

2170. Singh, Chandra Shekhar.
Nodulation study with indigenous varieties of soybean. I.A.R.I., Delhi, 1974-79.

Dr. N.S. Subba Rao, Head, Division of Microbiology, Indian Agricultural Research Institute, New Delhi.

Agricultural Botany

2171. Das, Harendra Narayan.
Studies on the action of certain synthetic plant hormones and mineral elements on the growth, yield and quality of groundnut. Gauhati, 1976-78.

Prof. Narahari Das, Head, Department of Agricultural Botany, Gauhati University, Gauhati.

2172. Umale, Shankar Ramchandra.
Effect of fortification of seed with various plant nutrients on growth and yield of various crops and quality of useful products. Punjabrao Krishi, 1972-79.

Shri M.V. Bapat, Chief Scientist, Dry Land Project, Punjabrao Krishi Vidyapeeth, Akola.

Physiology

2173. Balwant Singh.
Study of fatty acid degrading enzymes in germinating soybean. Punjab Agrl., 1974-78.

Prof. I.S. Bhatia, Head, Department of Biochemistry, Punjab Agricultural University, Ludhiana.

2174. Baruah, Kushal Kumar.
Studies on the physiology of chlorosis in paddy, Oryza sativa L. Punjab Agrl., 1976-79.

Dr. O.S. Singh, Assoc. Prof., Department of Botany, Punjab Agricultural University, Ludhiana.

2175. Mangal, Gurnam Singh.
Changes in metabolic reserves and enzyme activities in the development of female gametophyte and germination of pollen. Punjab Agrl., 1975-79.

Prof. C.P. Malik, Head, Department of Botany, Punjab Agricultural University, Ludhiana.

2176. Saha, Satya Narayan.
Physiological analysis of growth, flowering and yield potential in Sesamum indicum L. I.A.R.I., Delhi, 1975-79.

Dr. S.C. Bhargava, Division of Plant Physiology, Indian Agricultural Research Institute, New Delhi.

2177. Singh, Radhe Shyam.
Studies on the physiology of host-parasite relationship in orobanche. Banaras, 1973-79.

Dr. J.N. Singh, Lecturer, Department of Plant Physiology, Faculty of Agriculture, Banaras Hindu University, Varanasi.

—*Genetics*

2178. Basu, Pahari.
Study on certain quantitative aspects of genetic variability in Dolichas biflorus L. Calcutta, 1978.

2179. Bhanwar Singh.
Studies on genetic divergence and gene action in clusterbean, Cyamopsis tetragonoloba (L) Taub. Haryana Agrl., 1976-79.

Prof. N.D. Arora, Head, Department of Plant Breeding, Haryana Agricultural University, Hissar.

2180. Butchiraju, Dhanyamraju.
Genetical studies in Cicer arietinum L. with special reference to performance in mixtures. I.A.R.I., Delhi, 1971-79.

Dr. S. Ramanujam, Division of Genetics, Indian Agricultural Research Institute, New Delhi.

2181. Duara, Pradeep Kumar.
Evaluation of actual and mechanical diallels developed from heterozygous maize (Zea mays L) populations. I.A.R.I., Delhi, 1974-79.

Dr. Joginder Singh, Division of Genetics, Indian Agricultural Research Institute, New Delhi.

2182. Ghorai, Durgapada.
Genetical studies in some Oryza species. Calcutta, 1978.

*2183. Guruswamy Raja, V.D.
Studies on induction of mutation in foxtail millet, Setaria italica. Tamil Nadu Agrl., 1970-79.

Dr. R. Krishnaswamy, Scientist, Central Institute for Cotton Research Regional Station, Coimbatore.

2184. Hajra, Subhashkumar.
Genetic organization of white locus of Drosophila melanogaster through recombination. Calcutta, 1979.

2185. Hanslas, Vijay Kumar.
Studies on induced mutations in peas, Pisum sativum for quantity and quality of proteins. I.A.R.I., Delhi, 1972-79.

Dr. Balram Sharma, Division of Genetics, Indian Agricultural Research Institute, New Delhi.

2186. Harvinder Singh.
Inheritance of mineral contents in relation to oxalate content in bajra fodder, Pennisetum typhoides Burm. Punjab Agrl., 1975-78.

Prof. V.P. Gupta, Head, Department of Genetics, Punjab Agricultural University, Ludhiana.

2187. Jagat Ram.
Genetic analysis of infectivity and effectivity of Rhizobium leguminosarum. I.A.R.I., Delhi, 1974-79.

Dr. Sushil Kumar, Division of Genetics, Indian Agricultural Research Institute, New Delhi.

2188. Jain, K.C.
Studies on genetic diversity and phenotypic stability in chickpea, Cicer arietinum L. Pant Agrl., 1972-78.

Prof. B.P. Pande. Department of Plant Breeding, G.B. Pant University of Agriculture and Technology, Pantnagar.

2189. Manjit Singh.
Biochemical genetics of isozymes and flavonoids in wheat, Triticum aestivum L. Punjab Agrl., 1974-79.

Prof. K.S. Gill, Department of Genetics, Punjab Agricultural University, Ludhiana.

2190. Mishra, Aaddya Prasad.
Partial diallel analysis in relation to breeding for yield and its components in linseed. Kanpur, 1978.

2191. Narayana Pillai, R. Sankara.
Cytogenetic studies in safflower, Carthamus tinctorius L. Banaras, 1975-79.

Prof. R.B. Singh, Department of Genetics and Plant Breeding, Faculty of Agriculture, Banaras Hindu University, Varanasi.

*2192 Narayanan, A.
Genetics of yield and quality characters in Gossypium hirsutum L. Tamil Nadu Agrl., 1973-78.

Dr. R. Krishnaswamy, Scientist, Central Institute for Cotton Research Regional Station, Coimbatore.

2193. Pania, Subratakumar.
Genetic studies in rice with reference to certain aspects of adaptation. Calcutta, 1979.

2194. Pheru Singh.
Inheritance studies on stalk rot caused by Erwinia chrysanthemi in maize, Zea mays L. Pant Agrl., 1971-79.

Dr. B.D. Agrawal, Assoc. Prof., Department of Plant Breeding, G.B. Pant University of Agriculture and Technology, Pantnagar.

*2195. Rangaswami, P.
Analysis in pigeon pea. Cajanus cajan (L) Millsp. Tamil Nadu Agrl., 1973-78.

Dr. R. Krishnaswamy, Scientist, Central Institute for Cotton Research Regional Station, Coimbatore.

2196. Saxena, Jeetendra Kumar.
Genetic divergence and combining ability studies in genus Pisum. Kanpur, 1978.

2197. Shinde, Vithal Kishanrao.
Inheritance of quantitative characters in grain, Sorghum vulgare Pers. Udaipur, 1978.

Dr. P. Joshi, Sorghum Breeder, Department of Agricultural Botany, Directorate of Agricultural Experimental Station, Udaipur.

2198. Shrivas, Sukh Ram.
Genetic analysis of yield and its components in linseed, Linum usitatissimum. J.N. Krishi, 1974-79.

Prof. S.P. Singh, Head, Department of Plant Breeding and Genetics, College of Agriculture, Jabalpur.

2199. Singh, Haribansh.
Studies on genetic parameters in barley, Hordeum vulgare L. in a 12×12 diallel set. Kanpur, 1978.

2200. Singh, Subedar.
Characterisation of genetic variances and genetic parameters in bread wheat, Triticum aestivum L. Em. Thell. Banaras, 1973-79.

Prof. R.B. Singh, Department of Genetics and Plant Breeding, Faculty of Agriculture, Banaras Hindu University, Varanasi.

2201. Singh, Sudhakar Prasad.
A diallel cross study in some development traits of Brassica campestris (L.) var. yellow sarson. C.S. Azad Agrl., 1979.

Dr. A.N. Srivastava, Asstt. Prof., Depariment of Plant Breeding and Genetics, C.S. Azad University of Agriculture and Technology, Kanpur.

*2202. Sivasubramanian, S.
Studies on induced mutations in peanut, Arachis hypogea L. Tamil Nadu Agrl., 1973-78.

Dr. V. Sivasubramanian, Assoc. Prof., Department of Agricultural Botany, Tamil Nadu Agricultural University, Coimbatore.

*2203. Soundarapandian, G.
Induced mutagenesis in blackgram, Vigna mungo (L) Hepper. Tamil Nadu Agrl., 1973-79.

Prof. R. Appadurai, Department of Agricultural Botany, Tamil Nadu Agricultural University, Coimbatore.

2204. Srivastava, Lalji.
Cytogenetical studies on the hybrid behaviour of crosses between wild tuber bearing Solanum species and haploid Solanum tuberosum. Panjab, 1969-79.

Dr. Hari Kishore, Head, Division of Genetics, Central Potato Research Institute, Simla.

2205. Talwar, Shankar Narayan.
Evaluation of some tetraploid Triticum species for yield and its components. I.A.R.I., Delhi, 1974-79.

Dr. M.G. Joshi, Division of Genetics, Indian Agricultural Research Institute, New Delhi.

*2206. Thangavelu, S.
Genetic analysis of yield and yield components in the seed parents of sorghum hybrids. Tamil Nadu Agrl., 1973-79.

Prof. R. Appadurai, Department of Agricultural Botany, Tamil Nadu Agricultural University, Coimbatore.

2207. Trehan, Kul Bhushan.
Gene effects and heterosis in certain quantitative characters including yield in sesamum, Sesamum indicum L. Udaipur, 1978.

Dr. S.M. Gandhi, Assoc. Prof., Department of Agricultural Botany, Faculty of Agriculture, University of Udaipur, Udaipur.

*2208. Vadivelu, K.K.
Studies on induced mutations in Bengal gram, Cicer arietinum L. Tamil Nadu Agrl., 1973-79.

Dr. M. Rathinam.

2209. *Varma, Narendra Swaroop.*
Genetics of yield and some quality characters in barley. I.A.R.I., Delhi, 1972-79.

Dr. K.B.L. Jain, Division of Genetics, Indian Agricultural Research Institute, New Delhi.

2210. Venkateswarlu, S.
Genetics of earliness and certain yield components in peas. Banaras, 1975-79.

Dr. R.M. Singh, Lecturer, Department of Genetics and Plant Breeding, Faculty of Agriculture, Banaras Hindu University, Varanasi.

2211. Verma, Harpal Singh.
Genetic analysis of yield and its components in table pea, Pisum sativum L. Kanpur, 1978.

2212. Virendra Pal Singh.
Genetics of seed characters and their association with components of boll weight in Gossypium hirsutum L. I.A.R.I., Delhi, 1972-79.

Dr. Munshi Singh, Division of Genetics, Indian Agricultural Research Institute, New Delhi.

Agricultural Engineering

2213. Mondal, T.C.
Some investigations on mechanical extraction of jute fibre. I.I.T., Kharagpur, 1974-79.

Prof. T.P. Ojha, Department of Agricultural Engineering, Indian Institute of Technology, Kharagpur

Prof. R.K. Dutta, Department of Agricultural Engineering, Indian Institute of Technology, Kharagpur.

2214. Mukundan, K.
Optimization of agronomic resources for maximizing yield of rice. I.I.T., Kharagpur, 1972 79.

Prof. H.K. Pande, Department of Agricultural Engineering, Indian Institute of Technology, Kharagpur.

Dr. B N. Mittra, Department of Agricultural Engineering, Indian Institute of Technology, Kharagpur.

2215. Rao, B.N.
Evaluation of drainable porosity under non-steady state drainage in sand columns. I.I.T., Kharagpur, 1973-79.

Prof. T.P. Ojha, Department of Agricultural Engineering, Indian Institute of Technology, Kharagpur.

Dr. B. Anjaneyulu, Asstt. Prof., Department of Agricultural Engineering, Indian Institute of Technology, Kharagpur.

2216. Rao, M.S.
Mechanisms of nutrient movement in soil with particular reference to phosphorus. I.I.T., Kharagpur, 1973-79.

Dr. B. Dutta, Asstt. Prof., Department of Agricultural Engineering, Indian Institute of Technology, Kharagpur.

2217. Reddy, B.B.
Studies on soil water management practices in rice field affecting the crop performance in different seasons. I I.T., Kharagpur, 1975-79.

Prof. H.K. Pande, Department of Agricultural Engineering, Indian Institute of Technology, Kharagpur.

2218. Singhal, O.P.
Utilization of solar energy for parboiling and drying of paddy. I.I.T., Kharagpur, 1973-79.

Prof. C.P. Gupta, Department of Agricultural Engineering, Indian Institute of Technology, Kharagpur.

2219. Srivastava, O.N.
Studies on resource productivity and economics of rice farms of West Bengal. I.I.T., Kharagpur, 1972-79.

Prof. H.K. Pande. Department of Agricultural Engineering, Indian Institute of Technologyl, Kharagpur.

AGRONOMY

2220. Attar Singh.
Response of short duration pigeon pea, Cajanus cajan (L) Millsp varieties to varying row spacings and phosphorus levels under rainfed conditions. I.A.R.I., Delhi, 1975-79.

Dr. Rajendra Prasad, Division of Agronomy, Indian Agricultural Research Institute, New Delhi.

2221. Baral, Tripti.
Studies on the effects of antitranspirants on Indian crops and weeds. Calcutta, 1978.

2222. Bhagwan Singh.
Agronomic studies on arhar, Cajanus cajan (L.) Millsp. Meerut, 1977-79.

Dr. G.S. Kalra, Institute of Advanced Studies, Meerut University, Meerut.

2223. Bhandarkar, Jagannath Nilkanthrao.
Production potential studies of rice and wheat as affected by date of planting, plant population and fertility level. J.N. Krishi, 1970-79.

Dr. B.P. Tiwari.

2224. Bomme Gowda, A.
Agronomic investigations on Java citronella, Cymbopogon winterianus Jowitt. Agrl. Sc., Bangalore, 1975-79.

Dr. K. Krishnamurthy, Director of Research, University of Agricultural Sciences, Bangalore.

2225. **Govinda Singh.**
Toxicity, absorption, translocation and metabolism of 2, 4-D in Physalis minima L. and Lycopersicon esculentum Mill. Pant Agrl., 1972-79.

Dr. V.M. Bhan, Assoc. Prof., Department of Agronomy, G.B. Pant University of Agriculture and Technology, Pantnagar.

2226. Jain, Paras Mal.
Studies on the effect of mulch, antitranspirant and fertilizer application on water use, nutrient uptake and yield of the crops under rainfed conditions. I.A.R.I., Delhi, 1973-79.

Dr. S.L. Pandey, Division of Agronomy, Indian Agricultural Research Institute, New Delhi.

2227. Joginder Singh.
Agronomic studies on seed setting of lucerne, Medicago sativa L. Punjab Agrl., 1974-79.

Prof. D.S. Bains, Department of Agronomy, Punjab Agricultural University, Ludhiana.

2228. Singh, Bindeshwari Prasad.
Effect of different row spacings and phosphorus levels on Bengal gram, Cicar arietinum L. under dryland conditions. Banaras, 1973-79.

Prof. Mahatim Singh, Head, Department of Agronomy, Faculty of Agriculture, Banaras Hindu University, Varanasi.

*2229. Thangamuthu, G.S.
Irrigation and nitrogen management in the cropping system of cotton, sorghum and finger millet as pure and intercrops of garden lands. Tamil Nadu Agrl., 1973-79.

Prof. Y.B. Morachan, Head, Department of Agronomy, Tamil Nadu Agricultural University, Coimbatore.

Soil Science

2230. Baljit Singh.
Displacement of chloride slug by water applied at different rates as affected by texture, wetness, stratification and aggregation of soil and redistribution time. Punjab Agrl., 1973-78.

Prof. S.S. Parihar, Head, Department of Soil Science, Punjab Agricultural University, Ludhiana.

2231. Prasad, Jitendra.
Influence of soil surface conditions on physical edaphic factors and water use efficiency of wheat crop. I.I.T, Kharagpur, 1972-78.

Dr. B. Datta, Asstt. Prof, Department of Agricultural Engineering, Indian Institute of Technology, Kharagpur.

2232. Sharma, Ram Autar.
Studies on moisture losses through evapotranspiration from vertisols under unirrigated conditions. J.N. Krishi, 1971-78.

Dr. O.P. Verma, Assoc. Prof., Department of Soil Science and Agricultural Chemistry, College of Agriculture, Jabalpur.

Soil Chemistry

2233. Boaz, Samuel William.
Studies in carbon and nitrogen transformations. Allahabad, 1965-79.

Prof. N.R. Dhar, Director, Sheila Dhar Institute of Soil Science, Beli Road, Allahabad.

2234. Nagendra.
Crop production by organic matter and phosphates. Allahabad, 1975-78.

Prof. N.R. Dhar, Director, Sheila Dhar Institute of Soil Science, Beli Road, Allahabad.

2235. Saxena, Suresh Chandra.
A study on genesis and physico-chemical properties of clay minerals of Rajasthan soils. Udaipur, 1978.

Dr. K.S. Singh, Assoc. Prof, Department of Agricultural Chemistry and Soil Science, Rajasthan College of Agriculture, Udaipur.

—*Inorganic*

2236. Ananthanarayana, R.
Dynamics of magnesium in relation to crops and soil of Karnataka State. Agrl. Sc., Bangalore, 1974-78.

Mr. B.V. Venkata Rao, Editor, University of Agricultural Sciences Publication Council, Hebbal.

2237. Chaubey, Ram Asare.
Studies on applied zinc in soils. Allahabad (Chemistry) 1975-78.

Dr. S.K. De, Reader, Department of Chemistry, University of Allahabad, Allahabad.

2238. Das, Prafulla Kumar.
Soil test crop response correlation studies for nitrogen. Orissa Agrl, 1971-79.

Prof. N. Panda, Head, Department of Agricultural Chemistry, College of Agriculture, Bhubaneswar.

2239. Gaur, Namita.
Microbial fixation of nitrogen. Allahabad (Chemistry) 1973-78.

Dr. Krishna Bahadur, Reader, Department of Chemistry, University of Allahabad, Allahabad.

2240. Ghosh, Guru Prasanna.
Physico-chemical studies in phosphorylation. *D.Sc.* Allahabad (Chemistry) 1975-79.

Prof. N.R. Dhar, Director, Sheila Dhar Institute of Soil Science, Beli Road, Allahabad.

2241. Gupta, Krishna Kumari.
Effect of salinity on lipid components of gram, Cicer arietinum L. Haryana Agrl., 1974-79.

Prof. D.S. Wagde, Head, Department of Chemistry and Biochemistry, Haryana Agricultural University, Hissar.

2242. Jajuddin, E.
Evaluation and utilisation of ground saline water and salinity tolerance of rice varieties. Annamalai, 1973-79.

Prof. S. Chandrasekaran, Department of Agricultural Chemistry, Faculty of Agriculture, Annamalai University, Annamalainagar.

2243. Jayaram, L.C.
Capacity-intensity relationships of soil phosphorus and its dynamics under cropping. Udaipur, 1978.

Prof. S.N. Saxena, Head, Department of Agricultural Chemistry and Soil Science, Faculty of Agriculture, University of Udaipur, Udaipur.

*2244. Kanwar, Brij Bhushan.
Status and distribution in agriculturally important valleys of Himachal Pradesh with special emphasis on zinc. Himachal Pradesh Krishi, 1975 79.

Dr. B.R. Tripathi, Dean, College of Agriculture, Palampur.

2245. Koroth, Madhavan Nambiar Kalikkodan.
Study on critical levels of zinc and manganese in maize, pearl millet, wheat and chickpea as related to four soil types. J.N. Krishi, 1974-79.

2246. Manchanda, Manohar Lal.
Pedogenic characterization of salt-impregnated soils of a part of Haryana. Haryana Agrl., 1975-79.

Dr. S.S. Khanna, Haryana Agricultural University, Hissar.

2247. Mangaraj, Surath Chander.
Movement of nitrogenous solutes in soil : Studies on nitrate reduction. Utkal, 1979.

Dr. C. Misra, Soil Physicist, Orissa University of Agriculture and Technology, Bhubaneswar.

2248. Nara, Madankumar.
One dimensional models for prediction of accumulation and leaching of salts in two texturally different soils. Haryana Agrl., 1974-79.

Dr. M.C. Oswal, Department of Soils, Haryana Agricultural University, Hissar.

2249. Om Dutt.
Effect of high doses of nitrogen and phosphorus in long term to 'wheat-bajra' rotation on soil physical properties. I.A.R.I., Delhi, 1972-79.

Dr. T.D. Biswas, Head, Division of Soil Science and Agricultural Chemistry, Indian Agricultural Research Institute, New Delhi.

2250. Pal, Shipra.
Studies in phosphates : Its influence on nitrogen fixation. Allahabad (Chemistry) 1974-78.

Prof. N R. Dhar, Director, Sheila Dhar Institute of Soil Science, Beli Road, Allahabad.

2251. Patel, Gokalbhai Ramjibhai.
Zinc, iron and manganese availability in paddy soils of South Gujarat. Gujarat Agrl., 1979.

Dr. R.T. Dangawala, Jr. Soil Scientist, Micronutrient Project, Gujarat Agricultural University, Anand.

2252. Patil, M.D.
Distribution and absorption of zinc in calcareous soils and PFC interaction in relation to absorbates by sorghum. Agrl. Sc., Bangalore, 1975-79.

2253. *Pokharna, Umrao Singh.*
Studies on the response of manganese application with relations to nitrogen and phosphorus on the yield and quality of wheat in some soils of Rajasthan. Udaipur, 1971-78.

Dr. K.K. Vyas, Assoc. Prof., Department of Agricultural Chemistry and Soil Science, S.K.N. College of Agriculture, Jobner.

2254. Rudra, Samirkumar.
Study of pedological characteristics and genesis of some iron rich red and associated soils of West Bengal. Calcutta, 1979.

2255. Sarkar, Dipak.
Some factors affecting direct use of low grade Mussoorie rockphosphate. I A R.I., Delhi, 1975-79.

Dr. M.C. Sarkar, Division of Soil Science and Agricultural Chemistry, Indian Agricultural Research Institute, New Delhi.

2256. Sharma, Devendra Prasad.
Dynamics of phosphates in soils. *D.Sc.* Allahabad, 1970-79.

Dr. S.G. Misra, Reader, Department of Chemistry, University of Allahabad, Allahabad.

2257. Shiv Raj, A.
Effect of trace elements on the growth and yield of certain legume crops. Osmania, 1979.

Prof. K.V.N. Rao, Department of Botany, Osmania University, Hyderabad.

2258. Sukhpal Singh.
Availability of zinc under submerged conditions in calcareous and noncalcareous soils as affected by N and P levels. Haryana Agrl., 1975-79.

Dr. S. Mahendra Singh, Asstt. Prof., Department of Soils, Haryana Agricultural University, Hissar.

2259. Vaish, Ram Chandra.
Effect of the potassium salts on the availability of soil phosphorus and nitrogen. Allahabad (Chemistry) 1975-78.

Dr. S.K. De, Reader, Department of Chemistry, University of Allahabad, Allahabad.

2260. Vijendra Kumar.
Effect on plants of some ions associated with the salinity. Kanpur, 1979.

2261. Vinod Kumar.
Availability of sulphur to plants as affected by sulphur, phosphorus, zinc and molybdenum application. Haryana Agrl., 1974-79.

Dr. S. Mahendra Singh, Asstt. Prof., Department of Soils, Haryana Agricultural University, Hissar.

—*Organic*

2262. Hira Lal.
Effect of some physiologically active organic wastes on soil fertility and plant growth. I.A.R.I., Delhi, 1975-79.

Dr. O.P. Vimal, Division of Soil Science and *Agricultural Chemistry, Indian Agricultural Research* Institute, New Delhi.

2263. Mukhopadhyay, Taritkumar.
Studies on clay humus interaction. Calcutta, 1978.

*2264. Rajukkannu, K.
Studies on the dynamics of carbofuran in soils and certain vegetable crops. Tamil Nadu Agrl., 1973-78.

Dr. U.S. Sreeramulu, Assoc. Prof., Department of Soil Science and Agricultural Chemistry, Tamil Nadu Agricultural University, Coimbatore.

Soil Physics

2265. Ghoshal, Samir Kumar.
Uptake and distribution of major nutrients in crop plants under moisture stress. Calcutta, 1979.

2266. Karnail Singh.
Effect of soil moisture and nitrogen levels on triticale as compared with wheat and barley. Punjab Agrl., 1975-78.

Dr. S.S. Cheema, Assoc. Prof., Department of Agronomy, Punjab Agricultural University, Ludhiana.

2267. Yadav, Surinder Singh.
Studies on the effect of soil moisture and fertilizer levels on growth, yield and quality of barley, gram, raya and taramira. Haryana Agrl., 1975-79.

Dr. H.C. Sharma, Assoc. Prof., Department of Agronomy, Haryana Agricultural University, Hissar.

Soil Classification

2268. Krishna Nand.
Micromorphological studies on typical soil formations of the Vindhyan Hills, Mirzapur. Banaras, 1969-79.

Prof. Sant Singh, Head, Department of Soil Science and Agricultural Chemistry, Faculty of Agriculture, Banaras Hindu University, Varanasi.

2269. Mohite, Adhikrao Vishnu.
Studies on the problematic soils from Tujarpur of Sangli District. Mahatma Phule Krishi, 1971-78.

Dr. A.K. Shingte, Soil Specialist, Solapur.

2270. Raghu Mohan, Nagara Gadde.
Morphogenesis, classification and utilization of soils of Goa. I.A.R.I., Delhi, 1974-79.

Dr. T.D. Biswas, Head, Division of Soil Science and Agricultural Chemistry, Indian Agricultural Research Institute, New Delhi.

*2271. Singh, Subhash Chandra.
Studies on the alkali soils of Eastern U.P. with particular reference to their reclamation by pyrites and gypsum. Banaras, 1975-79.

Prof. Sant Singh, Head, Department of Soil Science and Agricultural Chemistry, Faculty of Agriculture, Banaras Hindu University, Varanasi.

2272. Verma, Shive Dayal.
Characterization and genesis of soils of Himachal Pradesh. Himachal Pradesh Krishi, 1975-79.

Dr. B.R. Tripathi, Dean, College of Agriculture, Palampur.

Soil Biology

2273. Acharya, Harish Kumar.
Evaluation of the efficiency of some bacterial inoculants. Udaipur, 1978.

Prof. S.N. Saxena, Head, Department of Agricultural Chemistry and Soil Science, Faculty of Agriculture, University of Udaipur, Udaipur.

Cultivation & Harvesting

2274. Sasidhar, V.K.
Studies on the effect of multiple cropping on soil fertility and crop yields in wet land. Kerala Agrl., 1974-79.

Dr. N. Sadanandan, Dean, College of Agriculture, Vellayani.

*2275. Venugopal, K.
Studies on multiple cropping with cotton based cropping systems. Tamil Nadu Agrl., 1973-78.

Dr. S.P. Palaniappan, Assoc. Prof., Department of Agronomy, Tamil Nadu Agricultural University, Coimbatore.

Breeding

2276. Bhatia, Gajender Kumar.
Effectiveness of some early generation selection methods in barley, Hordeum vulgare L. Punjab Agrl., 1973-78.

Dr. M.M. Verma, Assoc. Prof., Department of Plant Breeding, Punjab Agricultural University, Ludhiana.

*2277. Chandramathi, P.S.
Maximisation of genetic variability in inter-varietal hybrids of Gossypium hirsutum. Tamil Nadu Agrl., 1973-79.

Dr. R. Krishnaswami, Scientist, Central Institute for Cotton Research Regional Station, Coimbatore.

2278. Mohammed Abdul Quader.
Synthesis of a base population for effective selection in upland cotton, Gossypium hirsutum L. Punjab Agrl., 1975-78.

Dr. T.H. Singh, Asstt. Prof., Department of Plant Breeding, Punjab Agricultural University, Ludhiana.

2279. Ram Parkash.
Studies on the stability of genetic parameters for the oil and yield components in sunflower, Helianthus annuus L. Haryana Agrl., 1975-79.

Dr. T.P. Yadav, Asstt. Prof., Department of Plant Breeding, Haryana Agricultural University, Hissar.

2280. Sham Singh.
Biometrical analysis to predict the breeding potential in a cross of 'Upland' cotton, Gossypium hirsutum. Punjab Agrl., 1975-79.

Dr. T.H. Singh, Asstt. Prof., Department of Plant Breeding, Punjab Agricultural University, Ludhiana.

Crop Rotation

2281. **Anjaneyulu, Valam Ram.**
Intercropping of hybrid bajra, Pennisetum typhoides (Burm. F) Stapf & C.E. Hubb with mung, Vigna radiata (L.) Wilczek under rainfed conditions. I.A.R.I., Delhi, 1975-79.

Dr. S.P. Singh, Division of Agronomy, Indian Agricultural Research Institute, New Delhi.

2282. Gogoi, Harendra Nath.
Nutrient requirements of wheat grown in rotation with different kharif crops. Punjab Agrl., 1975-79.

Dr. H.S. Sandhu, Assoc. Prof., Department of Agronomy, Punjab Agricultural University, Ludhiana.

2283. Hampaiah, R.
Studies on the utilisation of phosphorus by crop plant in cereal-cereal and legume-cereal rotations by tracer methodology. I.A.R.I., Delhi, 1975-79.

Dr. M.N. Sinha, Division of Agronomy, Indian Agricultural Research Institute, New Delhi.

2284. Singh, Brij Vir.
Response of two varieties of toria, B. campestris var. Toria L under different levels of nitrogen and plant population in rotation with wheat. Meerut, 1977-79.

Dr. G.S. Kalra, Department of Plant Sciences, Institute of Advanced Studies, Meerut University, Meerut.

Fertilizers & Soil Conditioners

*2285. Balasundaram, C.S.
Soil fertility evaluation studies for efficient and economic fertiliser use on sorghum and the residual effect on succeeding crop. Tamil Nadu Agrl., 1973-79.

2286. Savithiri, P.
Studies on the effect of micronutrient fertilization on the availaoility of nutrients in soils and their uptake in a cropping system. Tamil Nadu Agrl., 1973-78.

Dr. U.S. Sreeramulu, Assoc. Prof., Department of Soil Science and Agricultural Chemistry, Tamil Nadu Agricultural University, Coimbatore.

2287. Sharma, Rajendra Prasad.
Crop production by application of organic matter and phosphates. Allahabad (Chemistry) 1972-79.

Prof. N.R. Dhar, Director, Sheila Dhar Institute of Soil Science, Beli Road, Allahabad.

2288. Singh, Om Prakash.
Effect of nitrogen, phosphorus and certain micronutrients on paddy, pea and potato. Banaras, 1971-79.

Dr. R.A. Singh, Lecturer, Department of Agronomy, Faculty of Agriculture, Banaras Hindu University, Varanasi.

Nitrogen Fertilizers

2289. Bairathi, Ramesh Chandra.
Behaviour of different sources of sulphur on different soils and different crops with high analysis nitrogenous and phosphatic fertilizers. Udaipur, 1978.

Dr. K.S. Singh, Assoc. Prof., Department of Agricultural Chemistry and Soil Science, Rajasthan College of Agriculture, Udaipur.

*2290. Muthuswamy, P.
Studies on the influence of nitrogen and potash fertilisation on growth, nutrient content, uptake and starch production in tapioca, grown in red and black soils of Tamil Nadu. Tamil Nadu Agrl., 1973-78.

Dr. K. Chiranjivi Rao, Agricultural Chemist, Sugarcane Breeding Institute, Coimbatore.

Phosphorus Fertilizers

2291. Goel, Vinay Kumar.
Studies in phosphated composts for replacing N.P.K. Allahabad (Chemistry) 1975-79.

Prof. N.R. Dhar, Director, Sheila Dhar Institute of Soil Science, Beli Road, Allahabad.

*2292. Subrahmanyan, A.
Studies on response of blackgram, Vigna mungo L. to phosphorus in different systems of cultivation. Tamil Nadu Agrl., 1972-78.

Dr. S.P. Palaniappan, Assoc. Prof., Department of Agronomy, Tamil Nadu Agricultural University, Coimbatore.

CROP DISEASES

2293. Verma, Motilal.
Investigations on etiology and control of seed-discolouration disease of rice, Oryza sativa L. Punjab Agrl., 1975-79.

Dr. K.S. Aulakh, Assoc. Prof., Department of Plant Pathology, Punjab Agricultural University, Ludhiana.

2294. Vinay Singh.
A study of nature and causes of chlorosis in sweet orange, Citrus sinensis (L.) Obseck in Agra Region of U.P. Agra, 1978.

Dr. B.R. Tripathi, Department of Agricultural Botany, R.B S. College, Agra.

Bacterial Diseases

2295. Marimuthu, T.
Studies on the bacterial leaf blight of greengram caused by Xanthomonas phaseoli. Tamil Nadu Agrl., 1974-78.

Prof. T.K. Kandaswamy, Head, Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore.

2296. Philip, Susamma.
Investigation on the microbial deterioration of copra. Kerala Agrl., 1974-78.

Dr. M. Ramanatha Menon. Department of Plant Pathology, College of Agriculture, Vellayani.

2297. Rema Devi, L.
Bacterial wilt of tomato in Kerala and host range and survival of the pathogen and control. Kerala Agrl., 1974-78.

Dr. M.S. Ramanatha Menon, Department of Plant Pathology, College of Agriculture, Vellayani.

Fungal Diseases

2298. Abdul Rehman.
Studies on anthracnose of grapevine (Elsinnoe ampelina De bary) shear. Punjab Agrl., 1975-78.

Dr. M.S. Kang, Assoc. Prof., Department of Plant Pathology, Punjab Agricultural University, Ludhiana.

2299. Antoniraj, S.
Biochemical investigation on the root-rot of groundnut, Arachis hypogaea L. caused by Rhizoctonia bataticola (Taub.) Butt. and the influence of potassium. Annamalai, 1978.

Prof. N. Narayana Prasad, Department of Microbiology, Faculty of Agriculture, Annamalai University, Annamalainagar.

2300. Bambawala, Omprakash Manohar.
Epidemiology of Alternaria blight of potato in the Punjab. Punjab Agrl., 1974-78.

Prof. P.S. Bedi, Head, Department of Plant Pathology, Punjab Agricultural University, Ludhiana.

2301. Bhasin, Chandra Prabha.
Studies on zoosporic fungi of Varanasi. Banaras, 1976-79.

Prof. M.S. Pavgi, Head, Department of Mycology and Plant Pathology, Faculty of Agriculture, Banaras Hindu University, Varanasi.

2302. Chaube, H.S.
Effect of chemical seed treatments on rhizosphere microflora of maize and wheat. Pant Agrl., 1970-79.

Prof. R.S. Singh, Head, Department of Plant Pathology, G.B. Pant University of Agriculture and Technology, Pantnagar.

2303. Chauhan, Lakhan Singh.
Studies on the Rhizoctonia leaf blight of castor. Kanpur, 1978.

2304. Hothi Lal.
Studies on the pathogenic behaviour of Macrophomina phaseoli associated with groundnut. Kanpur, 1979.

2305. Kannaiyan, S.
Studies on certain aspects of sheath blight disease of rice, Oryza sativa L. caused by Rhizoctonia kuhu and Thanstephorus cucumeris (Frank Donk). Annamalai, 1974-78.

Prof. S. Chandrasekaran, Department of Agricultural Chemistry, Faculty of Agriculture, Annamalai University, Annamalainagar.

*2306. Kaul, Jawahar Lal.
Studies on important post harvest diseases of apple caused by fungi and their control. Himachal Pradesh Krishi. 1975-79.

Prof. R.L. Munjal, Department of Mycology and Plant Pathology, College of Agriculture, Solan.

2307. More, W.D.
Studies on earhead moulds of sorghum. Agrl. Sc., Bangalore, 1975-79.

Prof. R.H. Hegde, Department of Plant Pathology, Agricultural College, Dharwad.

2308. Pal, Ajit Kumar.
Studies on some rot diseases of sannhemp, Crotolaria juncea L. Banaras, 1975-79.

Dr. K.C. Basu Chaudhury, Lecturer, Department of Mycology and Plant Pathology, Faculty of Agriculture, Banaras Hindu University, Varanasi.

*2309. Palaniswami, A.
Studies on fruitrot diseases of mango and banana caused by Botryodiplodia theobromae Pat. Tamil Nadu Agrl., 1972-78.

Dr. P. Narayanasamy, Assoc. Prof., Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore.

2310. Raju, C.A.
Studies on sheath rot of rice. Pant. Agrl., 1973-79.

Dr. R.A. Singh, Assoc. Prof., Department of Plant Pathology, G.B. Pant University of Agriculture and Technology, Pantnagar.

*2311. Ranganathan, K.
Studies on anthracnose disease of Lablab niger with special reference to host pathogen specificity. Tamil Nadu Agrl., 1972-79.

Dr. P. Vidhyasekaran, Assoc. Prof., Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore.

2312. Rayankula Naidu.
Studies on citrus decline with reference to tristeza, greening and phytophthora root-rot. Agrl. Sc., Bangalore, 1975-79.

Prof. H.C. Govindu, Department of Plant Pathology, College of Agriculture, Hebbal.

Late Dr. K. Ramakrishnan.

2313. Saikia, Upendra Nath.
Hyphomycetes of Assam and adjacent areas. I.A.R.I., Delhi, 1975-79.

Dr. A.K. Sarbhoy, Division of Mycology and Plant Pathology, Indian Agricultural Research Institute, New Delhi.

2314. Singh, Om Vir.
Investigations on root and stem rot of sesamum, Sesamum indicum L., caused by Macrophomina phaseoli (Maubl) Ashby. Udaipur, 1978.

Dr. N. Prasad, Asstt. Prof., Department of Plant Pathology, aculty of Agriculture, University of Udaipur, Udaipur.

Dr. P.D. Gemawat, Asstt. Prof., Department of Plant Pathology, Faculty of Agriculture, University of Udaipur, Udaipur.

2315. Singh, Ram Pratap.
Biology and parasitism of Rhizoctonia sp. associated with linseed, Linum usitatissium L. roots. Kanpur, 1978.

2316. Udit Narain.
Taxonomy and parasitism of Alternaria species occurring on sunflower in India. Kanpur, 1979.

*2317. Verma, Babu Ram.
Studies on angular leaf spot on Phaseolus vulgaris L. caused by Isariopsis griseola Sacc. Himachal Pradesh Krishi, 1975-79.

Dr. S.L. Sharma, Department of Mycology and Plant Pathology, College of Agriculture, Solan.

*2318. Verma, Kishan Singh.
Studies on apple canker caused by Corticium salmonicolor Berk & Br. in Rajgarh area of Himachal

Pradesh and its control. Himachal Pradesh Krishi, 1976-79.

Prof. R.L. Munjal, Department of Mycology and Plant Pathology, College of Agriculture, Solan.

2319. Vink, Kulbir Singh.
Studies on wilt of Sesamum indicum L., caused by Fusarium oxysporum sesami (Zapro) Castellani. Udaipur, 1978.

Dr. P.D. Gemawat, Asstt. Prof., Department of Plant Pathology, Faculty of Agriculture, University of Udaipur, Udaipur.

Animal Pests

2320. Gupta, Dinesh Chandra.
Studies on the reniform nematode, Rotylenchulus reniformis Linford and Oliveira, 1940, infecting pulses. Udaipur, 1978.

Dr. B.S. Yadav, Nematologist, Department of Plant Pathology, Directorate of Agricultural Experimental Station, Udaipur.

2321. Phukan, Paramananda.
Taxonomic studies of plant parasitic and free-living nematodes from Assam. I.A.R.I., Delhi, 1975-79.

Dr. K.C. Sanwal, Division of Nematology, Indian Agricultural Research Institute, New Delhi.

Insect Pests

2322. Ashok Kumar.
Studies on juvenile hormones and their analogues for the control of some insect pests. Udaipur, 1978.

Dr. G.K. Sharma, Asstt. Prof., Department of Agricultural Zoology and Entomology, Rajasthan College of Agriculture, Udaipur.

2323. Bhalani, Popatlal Ambabhai.
Morphology, bionomics and control of leaf weevil, Cyrtozemta dispar Pascoe infesting cotton. Gujarat Agrl., 1979.

Prof. G.M. Talati, Department of Agricultural Entomology, College of Agriculture, Junagadh.

2324. Chela, Gurmit Singh.
Biology and control of Echinochloa crusgalli L. in transplanted rice, Oryza sativa L. Punjab Agrl., 1974-78.

Prof. H.S. Gill, Head, Department of Agronomy, Punjab Agricultural University, Ludhiana.

2325. Dadhich, Sita Ram.
Studies on the prevention and control of pulse beetle, Callosobruchus maculatus infesting 'Moth', Phaseolus acontifolius. Udaipur, 1971-79.

Dr. C.P.C. Yadav, Assoc. Prof., Department of Agricultural Zoology and Entomology, S.K.N. College of Agriculture, Jobner.

2326. Fotedar, Ramney.
Studies on mechanism of resistance to the aphid, Myzus persicae Sulser in tomato, Lycopersicon esculentum L. Udaipur, 1978.

Prof. K.S. Kushwaha, Head, Department of Agricultural Zoology and Entomology, Faculty of Agriculture, University of Udaipur, Udaipur.

2327. Gajjan Singh.
Studies on the extent of losses at different levels of insect population in stored wheat. Punjab Agrl., 1974-78.

Prof. B.S. Chahal, Department of Entomology, Punjab Agricultural University, Ludhiana.

2328. Girdhari Lal.
Studies on the bases of resistance in maize and sorghum to Chilo partellus (Swinhoe). I.A.R.I., Delhi, 1974-79.

Dr. J.C. Pant, Division of Entomology, Indian Agricultural Research Institute, New Delhi.

2329. Gupta, B.P.
Studies on the bionomics and control of the Indian gypsy moth, Lymantria obfuscata. Kumaun (Zoology) 1979.

Dr. S.B. Agrawal, Department of Zoology, D.S.B. Govt. College, Nainital.

2330. Iqbal Singh.
Population dynamics and integrated control of Crocidolomia binotalis Zeller (Lepidoptera : Pyralidae). Agrl. Sc., Bangalore, 1975-79.

Prof. G.P. Channabasavanna, Department of Agricultural Entomology, Agricultural College, Hebbal.

2331. Lingappa, S.
Development of artificial diet for mass rearing Sesamia inferens (Lepidoptera : Noctuidae) and screening for resistance in finger millet germplasm. Agrl. Sc., Bangalore, 1972-79.

Prof. G.P. Channabasavanna, Department of Agricultural Entomology, Agricultural College, Hebbal.

2332. Manjit Singh.
Inheritance of resistance in okra, Abelmoschus esculentus (Linn) Moench to the cotton jassid, Amrasca biguttula (Ishida). Punjab Agrl., 1973-78.

Dr. Balraj Singh, Insect Ecologist, Department of Entomology, Punjab Agricultural University, Ludhiana.

*2333. Mohanasundaram, M.
Studies on Indian eviopyoidea. Tamil Nadu Agrl., 1973-79.

Prof. T.R. Subramaniam, Head, Department of Entomology, Tamil Nadu Agricultural University, Coimbatore.

2334. Nimbalkar, Sharad Amrutrao.
Studies on the comparative efficacy of phorate, disulfan and phosphamidon in the control of aphids on potato, their phytotoxicity and residues in potato tubers. Udaipur, 1978.

Prof. K.S. Kushwaha, Head, Department of Agricultural Zoology and Entomology, Rajasthan College of Agriculture, Udaipur.

2335. Patil, S.P.
Studies on the larval taxonomy of white grubs in Karnataka. Agrl. Sc., Bangalore, 1975-79.

Prof. G.K. Veeresh, Department of Agricultural Entomology, Agricultural College, Hebbal.

2336. Puttaswamy.
Studies on the ecology of Tetranychus ludeni Zacher (Acari : Tetrandindae) and its interaction with the predator Typhlodromips tetranychivorous Gupta (Acari : Phytoseiidae). Agrl. Sc., Bangalore, 1970-79.

Prof. G.P. Channabasavanna, Department of Agricultural Entomology, Agricultural College, Hebbal.

2337. Rathore, Ram Rakshpal Singh.
Survey and evaluation of the effectiveness of pathogens and parasitic fauna of the cabbage semi-looper, Trichoplusia Hubner (Lepidoptera, Noctuidae). Udaipur, 1978.

Prof. K.S. Kushwaha, Head, Department of Agricultural Zoology and Entomology, Rajasthan College of Agriculture, Udaipur.

2338. Saxena, Jageshwar Dayal.
Studies on the effect of gamma radiation on a phosphine resistant strain of Tribolium castaneum (Herbst). I.A.R.I., Delhi, 1972-79.

Dr. S.K. Bhatia, Division of Entomology, Indian Agricultural Research Institute, New Delhi.

2339. Shukla, Ram Prakash.
Studies on the properties and inhibition of acetylcholinesterase (E.C.3.1.1.7) present in the adult of melon fruit fly, *Dacus (Strumeta) cucurbitae Coq.* Kanpur, 1979.

2340. Singh, Shyam Narayan.
Studies on the infestation of stored grains by insect pests in Eastern Uttar Pradesh. Banaras, 1976-79.

Prof. Lallan Rai, Head, Department of Entomology and Agricultural Zoology, Faculty of Agriculture, Banaras Hindu University, Varanasi.

2341. Srivastava, Mahendra Lal.
Studies on the family Muscidae (Phaoniinae) with special reference to shoot flies. I.A.R.I., Delhi, 1972-79.

Dr. (Miss) Swaraj Ghai, Division of Entomology, Indian Agricultural Research Institute, New Delhi.

2342. Taley, Yadeorao Manikrao.
Studies on the bionomics and natural control complex of Atherigona variasoccata Roud and Chilo partellus Swin., pests of hybrid sorghum together with the effects of some modern insecticides disturbing their natural balance. Punjabrao Krishi, 1972-79.

Dr. K.R. Thakare, Assoc. Dean (Research), Punjabrao Krishi Vidyapeeth, Akola.

Viral Diseases

*2343. Balaraman, K.
Studies on nodulation and nitrogen fixation in virus infected black gram, Vigna mungo. Tamil Nadu Agrl., 1973-79.

Dr. P. Narayanasamy, Assoc. Prof., Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore.

*2344. Faraag, Saleh Hassan.
Studies on mosaic disease of sugarcane. Tamil Nadu Agrl., 1976-79.

Prof. T.K. Kandaswamy, Head, Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore.

2345. Om Prakash.
Ecological relationship of cucumber mosaic virus with a pathogenic fungus in muskmelon. Punjab Agri., 1974-78.

Prof. J.S. Chohan, Department of Plant Pathology, Punjab Agricultural University, Ludhiana.

*2346. Ramiah, M.
Studies on mosaic disease of cowpea in relation to disease resistance. Tamil Nadu Agrl., 1972-79.

Dr. P. Narayanasamy, Assoc. Prof., Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore.

2347. Sarma, P.V.
Studies on characterisation and identification of some of the coviruses. Agrl. Sc., Bangalore, 1974-79.

Prof. G.P. Channabasavanna, Department of Agricultural Entomology, Agricultural College, Hebbal.

2348. Seetharama Reddy, K.S.
Studies on leaf and virus disease of tomato. Agrl. Sc., Bangalore, 1972-78.

Dr. R.C. Yaraguntaiah.

Pest Control

Control Methods

*2349. Brahmananda Rao, B.
Studies on pesticidal and synergistic properties of a few indigenous plant materials against some storage insects. Kakatiya (Zoology)1976-78.

Dr. Syed S.H. Qadri, Asstt. Director, Regional Research Laboratory, Hyderabad.

2350. Dharwadkar, Vasanti Hemant.
Studies on integrated control of a stored product pest by employing chemical and ecological control measures. Rajasthan (Zoology) 1973-78.

Prof. S.C. Saxena, Head, Department of Zoology, University of Rajasthan, Jaipur.

2351. Gupta, Prem Chand.
Ecology and control of weeds in berseem, Trifolium alexandrinum L. Udaipur, 1978.

Dr. J.K. Verma, Sorghum Agronomist, Department of Agronomy, Directorate of Agricultural Experimental Station, Udaipur.

2352. Kurlekar, Vasant Ganpatrao.
Studies on weed control in cotton, Gossypium hirsutum (L). by chemical and cultural methods. Marathwada Agrl, 1975-79.

Dr. V.S. Khuspe, Vice-Chancellor, Marathwada Agricultural University, Parbhani.

*2353. Mohamed Ali, A.
Studies on weed control in direct sown rice under puddled and non-puddled conditions. Tamil Nadu Agrl., 1972-79.

Dr. S. Sankaran, Assoc. Prof., Department of Agronomy, Tamil Nadu Agricultural University, Coimbatore.

2354. Patel, Ram Kumar.
Performance of sprayers and influence of water volumes on the chemical control of crop pests. Banaras, 1975-79.

Prof. Lallan Rai, Head, Department of Entomology and Agricultural Zoology, Faculty of Agriculture, Banaras Hindu University, Varanasi.

*2355. Rajagopal, A.
Chemical weed control in tomato, Lycopersicon esculentum Mill in relation to certain cultural practices. Tamil Nadu Agrl., 1972-79.

Dr. S. Sankaran, Assoc. Prof., Department of Agronomy, Tamil Nadu Agricultural University, Coimbatore.

Control Materials

2356. Balasubramaniam, A.S.
Absorption, persistance and movement of fungicides in soils. Agrl. Sc., Bangalore. 1975-79.

Prof. P.B. Deshpande, Department of Soil Science, Agricultural College, Hebbal.

2357. Dwarika Prasad.
Studies on 1, 2-dibromo-3-chloropropane in relation to its diffusion, persistence in soil and uptake by plants. I.A.R.I., Delhi, 1972-79.

Prof. C.L. Sethi, Division of Nematology, Indian Agricultural Research Institute, New Delhi.

2358. Jain, Suresh Chander.
Investigations on the inhibition of weeds of soybean, Glycine max (L) Merrill through the use of plant growth regulating and other herbicides in Malwa Region of Madhya Pradesh. Indore, 1972-78.

Dr. Y.M. Upadhya.

2359. Jiwan Lal.
Comparative studies on the bioefficacy of ULV sprays for the control of jassids on cotton. Punjab Agrl., 1975-79.

Dr. Harcharan Singh, Assoc. Prof., Department to Entomology, Punjab Agricultural Universify, Ludhiana.

2360. Krishnaihh, Nagella Venkata.
Studies on the metabolism and terminal residues of some systemic insecticides in mustard. Punjab Agrl., 1973-78.

Prof. R.L. Kalra, Insect Toxicologist, Department of Entomology, Punjab Agricultural University, Ludhiana.

2361. Mazumdar, Jayanta Narayan.
Uptake and persistence of phorate in potato. Haryana Agrl., 1974-79.

Dr. D S. Gupta, Dean, College of Agriculture, Haryana Agricultural University, Hissar.

2362. Om Parkash.
Schedule of insecticidal applications against insect pest complex of brinjal with special reference to brinjal fruit and shoot borer, Leucinodes orbanlis G. Haryana Agrl , 1971-78.

Dr. A.N. Verma, Department of Entomology, Haryana Agricultural University, Hissar.

2363. Rameshwar Singh.
Effect of temperature, humidity and other factors on the residual toxicity and persistence of insecticides. Udaipur, 1978.

Dr. V.S. Kavadia, Insect Toxicologist, Department of Agricultural Zoology and Entomology, Directorate of Agricultural Experimental Station, Udaipur.

2364. Sarode, Shivaji Vyankatrao.
Residues and residual toxicity of phorate, fenitrothion, BHC and lindane on bhindi and cauliflower. I.A.R.I., Delhi, 1975-79.

Dr. Rattan Lal, Division of Entomology, Indian Agricultural Research Institute, New Delhi.

2365. Sen, Asok Kumar.
Herbicides, insecticides mixture application studies in rice crop to control weeds and insects. Visva-Bharati, 1975-79.

Prof. S.K. Mukhopadhyay, Head, Department of Agriculture, Visva-Bharati, Santiniketan.

2366. Sharma, Janmejai
Evaluation of E P T.C., Alachlor, and Atrazine mixture with and without crop protectants for weed control in maize, Zea mays L., grown in rotation with wheat. Udaipur, 1978.

Dr. R.M. Singh, Asstt. Prof., Department of Agronomy, Faculty of Agriculture, University of Udaipur, Udaipur.

2367. Singh, Anil Kumar.
Dissipation of disulfoton and monocrotophos on pulse crops. Haryana Agrl., 1975-79.

Dr. D.S. Gupta, Dean, College of Agriculture, Haryana Agricultural University, Hissar.

2368. Singh, Sheo Babu.
Efficiency of different herbicides for weed control in okra seed crop and their residual effect on tomato and brinjal. Haryana Agrl, 1975-79.

Dr. Kirti Singh, Asstt. Prof, Department of Vegetable Crops, Haryana Agricultural University, Hissar.

2369. Tewari, Vachaspati.
Studies on compatibility and interaction of pesticides with selected Rhizobium sp. Kanpur, 1978.

2370. Yogendra Singh.
Studies in organophosphorus pesticides. Gorakhpur (Chemistry) 1979.

Biological Control

2371. Desh Raj.
Studies on the control of mustard aphid, Lipaphis erysimi Kaltenbach with special reference to the utilization of natural enemies. I.A.R.I., Delhi, 1975-79.

Dr. N. Ramakrishnan, Division of Entomology, Indian Agricultural Research Institute, New Delhi.

2372. Lall Singh.
Biology and control of Trianthema monoyna in maize, Zea mays L. berseem, Trifolium alexandrinum L. sequence. Punjab Agrl., 1976-79.

Prof. H.S. Gill, Head, Department of Agronomy, Punjab Agricultural University, Ludhiana.

2373. Patel, Narottambhai Virabhai.
Biology and control of cotton weevil stem borer. Adcidodes affaber Aur. Gujarat Agrl., 1978.

Prof G.N. Talati, Department of Agricultural Entomology, College of Agriculture, Junagadh.

2374. Ravel Singh.
Role of natural enemies in the population dynamics of Pyrilla perpusilla Walker. Punjab Agr., 1975-78.

Dr. S.S. Bains, Asstt. Prof., Department of Entomology, Punjab Agricultural University, Ludhiana.

2375. Saharia, Dineswar.
Bio-ecological studies on coccinellid predators of some important aphid pests in Assam. Assam Agrl., 1972-78.

Dr. B. Banerjee, Entomologist, Tocklai Experimental Station, Jorhat, Assam.

2376. Yadav, Dinanath.
Studies on the natural enemies of Heliothis armigera (Hubner) (Lepidoptera : Noctuidae) and its biological control using an egg-parasite Trichogramma australicum Girault (Hymenoptera : Trichogrammatidae). Gujarat Agrl., 1978.

Dr. R.C. Patel, Deputy Director of Research, Gujarat Agriculture University, Anand.

Cereal Grains

Wheat

2377. Balyan, Harindra Singh.
Heterosis, combining ability and genetic component studies for certain yield and quality characters in normal and induced populations of bread wheat, Triticum aestivum L. em Thell. Meerut, 1974-79.

Prof. P.K. Gupta, Department of Plant Sciences, Institute of Advanced Studies, Meerut University, Meerut.

2378. Bapna, Jagannath Singh.
Response of dwarf wheat, Triticum aestivum Linn. variety HD (M) 1593 to different moisture regimes and nitrogen levels. Marathwada Agrl., 1975-79.

Dr. V.S. Khuspe, Vice-Chancellor, Marathwada Agricultural University, Parbhani.

2379. Dasgupta, Malabika.
Studies on the viability of wheat, Triticum aestivum L. seed. Calcutta, 1979.

2380. Inder Kumar.
Role of magnesium in influencing physico-chemical properties of soils and wheat crop in relation to different qualities of irrigation water. Haryana Agrl, 1973-79.

Prof. U.C. Shukla, Head, Department of Soils, Haryana Agricultural University, Hissar.

2381. Jadhav, Govind Satwaji.
Growth, internal water balance, uptake of nutrients, water use and yield of wheat, Triticum aestivum L. as influenced by irrigation schedule based on pan evaporation. Marathwada Agrl., 1975-79.

Dr. K.R. Pawar, Assoc. Dean, College of Agriculture, Marathwada Agricultural University, Parbhani.

2382. Lakhi Ram.
Diallel analysis in durum wheat, Triticum durum Desf. Kanpur, 1979.

2383. Mukat Lal.
Biochemico-genetic studies on heterosis and combining ability in wheat, Triticum aestivum L. Meerut, 1971-79.

Prof. P.K. Gupta, Department of Plant Sciences, Institute of Advanced Studies, Meerut University, Meerut.

2384. Nagpure, Nilkanth Sadashivrao.
Effect of varying levels of soil fertility and methods of weed control on fertilizer use efficiency in dwarf wheat WH-147. Haryana Agrl., 1974-78.

Dr. H.C. Sharma, Assoc. Prof., Department of Agronomy, Haryana Agricultural University, Hissar.

2385. Nehra, Suraj Singh.
Search for the biochemical basis of combining ability in wheat. Haryana Agrl., 1972-79.

Prof. R.K. Singh, Department of Genetics, Haryana Agricultural University, Hissar.

2386. Pandeya, Ram Sufal.
Effect of growth regulators on efficiency and productivity of wheat. Kanpur, 1978.

2387. Patil, Trimbak Tulsiram.
Water use efficiency in Mexican wheat variety HD (M) 1553 (Sonalika) influenced by nitrogen fertilization and irrigation management. Marathwada Agrl., 1975-79.

Dr. V.S. Khuspe, Vice-Chancellor, Marathwada Agricultural University, Parbhani.

2388. Rachana.
Variances and convariances for yield and quality characters in normal and mutagen treated populations

and inheritance of coleoptile lengh in a diallel cross of bread wheat, Triticum aestivum L. Em. Thell. Banaras, 1975-79.

Prof. R.B. Singh, Head, Department of Genetics and Plant Breeding, Faculty of Agriculture, Banaras Hindu University, Varanasi.

Dr. K.C. Dalal.

2389. Satish Kumar.
Genetics of leaf rust resistance and certain economic traits in bread wheat, Triticum aestivum L. Banaras, 1975-79.

Dr. R M. Singh, Lecturer, Department of Genetics and Plant Breeding, Faculty of Agriculture, Banaras Hindu University, Varanasi.

2390. Verma, Uday Veer Singh.
Studies on fertilization of dwarf wheat in potato-wheat intercropping in relation to seeding technique. Kanpur, 1978.

Maize

2391. Rana, Om Pal Singh.
Studies on phylogenetic relationship between maize, Zea mays L. and teosinte, Zea mexicana (Schrad) Kuntaze. Haryana Agrl., 1972-79.

Dr. S N. Kakar, Dean, College of Basic Sciences and Humanities, Haryana Agricultural University, Hissar.

Barley

*2392. Bhatti, Keshav Ram.
Adaptability and genetic divergence of barley, Hordeum vulgare L. genotypes in relation to soil Ph and diverse agroclimatic conditions. Himachal Pradesh Krishi, 1975 79.

Dr. G S. Sethi, Assoc. Prof., Department of Plant Breeding and Genetics, College of Agriculture, Palampur.

2393. Talk, Gian Singh.
Genetic analysis of reaction to yellow rust, important agronomic and physiologic characters in barley. Punjab Agrl., 1974-79.

Dr. M.M. Verma, Assoc. Prof., Department of Plant Breeding, Punjab Agricultural University, Ludhiana.

Millet

2394. Bagga, Rajendra Kumar.
Studies on the effect of dates of nursery seeding, age of seedings and nitrogen levels on hybrid bajra under late sown conditions. Haryana Agrl., 1974-79.

Dr. P.S. Tomer. Asstt. Prof., Department of Agronomy. Haryana Agricultural University, Hissar.

2395. Chaman Singh.
Genetic analysis of some quantitative and quality characters including downy mildew resistance in pearl millet, Pennisetum typhoides (Burm) Stapf and Hubb. Haryana Agrl., 1975-79.

Prof. N.D. Arora, Head, Department of Plant Breeding, Haryana Agricultural University, Hissar.

2396. Raikhelkar, Shridhar Vamanrao.
Studies on companion cropping of pearl millet and its economics under rainfed conditions Marathwada Agrl., 1975-79.

Dr. U.C. Upadhyay, Dean, Faculty of Agriculture, Marathwada Agricultural University, Parbhani.

*2397. Ravikumar, V.
Effect of soil amendments on the physical, chemical and biological properties of soil, yield and nutrient uptake by finger millet. Tamil Nadu Agrl., 1973-78.

Dr. K.K. Krishnamoorthy, Dean, Agricultural College and Research Institute, Madurai.

2398. Srinivasan, C.S.
A Study on biparental mating in relation to certain quantitative characters in bajra, Pennisetum typhoides S&H. Meerut, 1978.

2399. Venkata Rao, C.
Combining ability and adaptation analysis in pearl millet, Pennisetum typhoides (Burm) S & H. Punjab Agrl., 1974-79.

Dr. P.S. Phul, Assoc. Prof., Department of Plant Breeding, Punjab Agricultural University, Ludhiana.

Sorghum

2400. Mishra, Sharda Prasad.
Selection for heterosis and combining ability in grain sorghum, Sorghum bicolor L. Moench. I.A.R.I., Delhi, 1976-79.

Dr. N.G.P. Rao, Division of Genetics, Indian Agricultural Research Institute, New Delhi.

2401. Rodge, Ram Pandharinathrao.
Studies on nitrogen fertilization and relay cropping in sorghum, Sorghum bicolor (L) Moench. Marathwada Agrl., 1975-78.

Dr. V.S. Khuspe, Vice-Chancellor, Marathwada Agricultural University, Parbhani.

Rice

2402. Choudhury, Ajoy Kumar.
Effect of soil and nitrogen management on the growth and yield of transplanted rice. I.A.R.I., Delhi, 1975-79.

Dr. M.N. Sadaphal, Division of Agronomy, Indian Agricultural Research Institute, New Delhi.

2403. Deka, Pradip C.
Cells, tissues and protoplasts of rice and tomato in culture. Banaras, 1972-79.

Dr. S.K. Sen, Lecturer, Department of Genetics and Plant Breeding, Faculty of Agriculture, Banaras Hindu University, Varanasi.

2404. Rai, G. Sathisha.
Study of mutagen induced variability in quantitative characters of rice, Oryza sativa L. Punjab Agrl., 1975-78.

Dr. S.S. Saini, Department of Plant Breeding, Punjab Agricultural University, Ludhiana.

*2405. Verma, Tarsem Singh.
Delineation of nutritional deficiencies and toxicities in rice in Himachal Pradesh and effects of some important factors on micronutrient availability. Himachal Pradesh Krishi, 1975-79.

Dr. B.R. Tripathi, Dean, College of Agriculture, Palampur.

Forage Crops

2406. Sardar Singh.
Studies on the effect of different levels of nitrogen and harvesting durations on growth, yield and quality of forage sorghum varieties. Kanpur, 1978.

2407. Sharma, Sadhu Ram.
Effect of different nitrogen levels and harvesting managements on the yield and chemical composition of forage sorghums. J.N. Krishi, 1976-79.

Dr. J.P. Shrivastava.

2408. Tripathi, Hausila Prasad.
Effect of leguminous and non-leguminous forage crops fertilized with different levels of phosphorus on the nitrogen requirement of succeeding wheat crop. Haryana Agrl, 1975-79.

Dr. Kanwar Singh, Director of Research, Haryana Agricultural University, Hissar.

2409. Gill, Prithipal Singh.
Response of cluster bean cultivars to phosphate, nitrogenous and bacterial fertilization in terms of growth, yield and gum production. Haryana Agrl., 1976-79.

Dr. Kanwar Singh, Director of Research, Haryana Agricultural University Hissar.

2410. Kaul, Jogindra Nath.
Studies on the effect of time of sowing, plant geometry and hormonal application on development and yield of mung. Vigan radiata (L) Wilczek Punjab Agrl., 1976-79.

Prof. D.S. Bains, Department of Agronomy, Punjab Agricultural University, Ludhiana.

2411. Khanna, Vijay Kumar.
Effect of radiation on the macromolecular synthesis in germinating gram seeds, Cicer arietinum L. Haryana Agrl., 1972-79.

Dr. N. Meharchandani, Asstt. Prof., Department of Genetics, Haryana Agricultural University, Hissar.

2412. Pande, Kanailal.
Intergenotypic competition studies in Bengal gram, Cicer arietinum L. Pant Agrl., 1975-79.

Prof. B.P. Pande, Head, Department of Plant Breeding, G.B. Paut University of Agriculture and Technology, Pantnagar.

2413. Saini, S.K.
Studies on seed quality and seedling emergence in soybean as influenced by certain factors. Pant Agrl., 1975-79.

Dr. J.N. Singh, Assoc. Prof., Department of Agronomy, G.B. Pant University of Agriculture and Technology, Pantnagar.

2414. Surve, Dinkarrao Nilkanthrao.
Studies on soil moisture stress in relation to growth, yield, quality and water use efficiency of field peas. I.A.R.I., Delhi, 1975-79.

Dr. S.L. Pandey, Division of Agronomy, Indian Agricultural Research Institute, New Delhi

2415. Yadav, Om Parkash.
Effect of phosphorus and zinc on yield, nutrients uptake, nodulation and nitrogen fixation in gram, Cicer arietinum L. Haryana Agrl., 1975-79.

Prof. U.C. Shukla, Head, Department of Soils, Haryana Agricultural University, Hissar.

Fiber Crops

Cotton

2416. Bhat, M. Gopalakrishna.
A study on inheritance of hairiness and other plant characters associated with jassid (Amrasca devastans Dist) resistance in cotton, Gossypium hirsutum L. I.A.R.I., Delhi, 1974-79.

Dr. B.C. Joshi, Division of Genetics, Indian Agricultural Research Institute, New Delhi.

2417. Kuljit Singh.
Effect of growth regulators, defoliants and nitrogen levels on hirsutum cotton. Punjab Agrl., 1975-79.

Dr. Mukand Singh, Assoc. Prof., Department of Agronomy, Punjab Agricultural University, Ludhiana.

2418. Malik, C.V.S.
Studies on growth, yield and qualitative behaviour of certain cotton varieties. Banaras, 1971-79.

Dr. N.M. Misra, Lecturer, Department of Agronomy, Faculty of Agriculture, Banaras Hindu University, Varanasi.

2419. Mehetre, Subhash Sonyabapu.
(I) Studies related to the glandless characters in Gossypium hirsutum L. cotton ; (II) Cytological studies in the genus Gossypium L.; and (III) Studies on male sterility in Gossypium hirsutum L. cotton. Mahatma Phule Krishi, 1975-79.

Dr. M.V. Thombre, Senior Cotton Breeder, Mahatma Phule Krishi Vidyapeeth, Rahuri.

2420. Pandya, Kalyan Shankar.
Certain studies on germination, growth and development of some new canes of Eastern U.P. Banaras, 1968-79.

Shri U.S. Singh, Department of Agronomy, Faculty of Agriculture, Banaras Hindu University, Varanasi.

*2421. Rethinam, P.
Studies on the efficiency of herbicides in cotton with certain soil applied chemicals. Tamil Nadu Agrl., 1972-78.

Dr. S. Sankaran, Assoc. Prof., Department of Agronomy, Tamil Nadu Agricultural University, Coimbatore.

2422. Tyagi, Anand Prakash.
Genetic architecture of yield components, quality characters and their plausible biochemical basis in upland cotton, Gossypium hirsutum L. Haryana Agrl., 1973-79.

Prof. N.D. Arora, Head, Department of Plant Breeding, Haryana Agricultural University, Hissar.

Jute

2423. Mandal, Balaidas.
Genetical studies in jute, Corchorus capsularis and C. olitorius in relation to some aspects of productive breeding. Calcutta, 1979.

Sugarcane

2424. *Dhoble, Maruti Venkatrao.*
Studies on spacings, nitrogen and phosphorus levels and intercropping in sugarcane, Saccharum officinarum (L) variety CO 74[illegible]. Marathwada Agrl., 1975-79.

Dr. V.S. Khuspe, Vice-Chancellor, Marathwada Agricultural University, Parbhani.

2425. Hooda, Randhir Singh.
A comparative study of progeny performance of certain sugarcane crosses. Haryana Agrl., 1974-79.

Dr. C.N. Babu, Asstt. Prof., Department of Plant Breeding, Haryana Agricultural University, Hissar.

2426. Tandon, Dalip Kumar.
Studies on the lime induced chlorosis of sugarcane. Kanpur, 1978.

Alkaloidal Crops

2427. Uthaiah, B.C.
Cherelle wilt in relation to nutrition and growth substances in cacao, Theobroma cacao. Agrl. Sc., Bangalore, 1975-78.

Prof. U.V. Sulladmath, Department of Horticulture, Agricultural College, Hebbel.

Oilseed Crops

2428. Chaudhary, Santosh Kumar.
Environmental influence and heterosis exploitation in sunflower, Helianthus annuus L. I.A.R.I., Delhi, 1974-79.

Dr. I.J. Anand, Division of Genetics, Indian Agricultural Research Institute, New Delhi.

2429. Damor, Umedbhai Mathurbhai.
Effect of mulches and antitranspirants on the growth and yield of sunflower EC-68414 under limited water supply. Gujarat Agrl., 1978.

Dr. V.D. Mane.

2430. Jain, Mahendra Kumar.
Studies on the growth, yield and quality behaviour of sunflower, Helianthus annuus L. varieties in relation to levels and methods of nitrogen application. Agra, 1978.

Dr. G.S. Shekhawat.

2431. Manjunath, A.
Genetics of seed yield, oil content and other quantitative characters in sunflower, Helianthus annuus L. Agrl. Sc., Bangalore, 1973-79.

Prof. J.V. Goud, Department of Agricultural Botany, Agricultural College, Dharwad.

2432. Patel, J.C.
Effects of irrigation, mulching and bioregulators on the productivity of sunflower, Helianthus annuus L. Udaipur, 1978.

Dr. R.M. Singh, Asstt. Prof., Department of Agronomy, Faculty of Agriculture, University of Udaipur, Udaipur.

2433. Singh, Hans Raj.
Effect of varying levels of nitrogen and phosphorus on growth, yield and oil content of linseed, Linum usitatissimum Linn. under dryland conditions of Eastern U.P. Banaras, 1974-79.

Dr. R.A. Singh, Lecturer, Department of Agronomy, Faculty of Agriculture, Banaras Hindu University, Varanasi.

2434. Srivastava, Ashok Kumar.
Problems in sunflower cultivation. Allahabad (Botany) 1977-79.

Dr. A.K. Ghosh, Head, Department of Agronomy, Allahabad Agricultural Institute, Naini, Allahabad.

2435. Vajpayi, Arvind Kumar.
Studies on the inheritance of genetic variability, heterosis and combining ability in sunflower, Helianthus annuus. Kanpur, 1979.

Dr. K.R. Khanna, Plant Breeding Section, National Botanic Garden, Lucknow.

FRUITS

Drupaceous Fruits

2436. Kanwar, Jagdev Singh.
Investigations on the pruning and fertilization requirements of peach, Prunus persica Batsch. cv. Flordasun. Punjab Agrl , 1973-79.

Prof. G S. Nijjar, Head, Department of Horticulture, Punjab Agricultural University, Ludhiana.

Citrus Fruits

2437. Singh, Teg Bahadur.
Studies on the role of nitrogen and growth regulators on kagzi lime, Citrus aurantifolia Swingle. Banaras, 1976-79.

Dr. A.N. Maurya, Lecturer, Department of Horticulture, Faculty of Agriculture, Banaras Hindu University, Varanasi.

Anacardiaceous Fruits

2438. Ray, Sajal Sankar.
Studies on chemical control of growth and flowering of mango, Mangifera indica L. Calcutta, 1979.

2439. Verma, Ram Babu.
Studies on salt tolerance in mango, Mangifera indica L. Kanpur, 1979.

Dr. P.M. Vajpayi, Head, Department of Horticulture, C.S. Azad University of Agriculture and Technology, Kanpur.

Tropical Fruits

2440. Singh, Jayant.
Effect of nitrogen and gibberellic acid on the growth, fruiting and quality of ber, Ziziphus mauritiana Lam. cv Banarasi Karaka. Banaras, 1975-79.

Prof. C.B.S. Rajput, Head, Department of Horticulture, Faculty of Articulture, Banaras Hindu University, Varanasi.

2441. Trivedi, Raj Kumar.
Studies on the genetic parameters of yield and its components in jack fruit, Agricarpus heterophyllus Lam Kanpur 1979.

Dr. A. Prasad, Assoc. Prof., Department of Horticulture. C.S. Azad University of Agriculture and Technology, Kanpur.

Berries & Herbaceous Fruits

2442. Bagde, Tularam Raghunath.
Chemical regulation of ripening, yield and quality of phalsa, Grewia subinaequalis L. I.A R I., Delhi, 1974-79.

Prof. Ranjit Singh, Head, Division of Horticulture, Indian Agricultural Research Institute, New Delhi.

2443. Guha. Dipika.
Developmental and post-harvest physiology of the banana fruit. Calcutta, 1978.

2444. Ram Sewak.
Studies on the effect of different levels an methods of nitrogen application on growth, yield, quality and storage behaviour of banana, var. Harichhal. C.S. Azad Agrl, 1979.

Prof. P.N. Bajpai, Head, Department of Horticulture, C S. Azad University of Agriculture and Technology, Kanpur.

Grapes

2445. Bhujbal, Bhimraj Gopal.
Studies on nutrient status of Thompson seedless variety of grapes, Vitis vinifera Linn. in Western Maharashtra. Mahatma Phule Krishi, 1975-79.

Dr. A.V. Patil, Head, Department of Horticulture, Mahatma Phule Krishi Vidyapeeth, Rahuri.

2446. Kishore, Deep Kumar.
Physiological studies on salt tolerance in grapes cv. Perlette. I.A.R.I., Delhi, 1974-79.

Prof. Ranjit Singh, Head, Division of Horticulture, Indian Agricultural Research Institute, New Delhi.

*2447. Mohammad Abdul Khader, J.B.M.
Studies on the effect of certain plant growth regulants on flowering in some grape cultivars. Tamil Nadu Agrl., 1970-79.

Prof. V.N. Madhava Rao, Head, Department of Horticulture, Tamil Nadu Agricultural University, Coimbatore.

2448. Om Prakash.
Nutritional studies in grapes, Vitis vinifera L.: Effects of N.P.K. on growth, yield and quality. Meerut, 1974-79.

Dr. Ram Vir Singh, Department of Plant Sciences, Institute of Advanced Studies, Meerut University, Meerut.

2449. Padsbetty, N.S.
Studies on the effect of soil nutrient status and climatic conditions of Bangalore on the grape rust composition and quality of vine variety Bangalore, Vitia vinifera and V. labrust. Agrl Sc., Bangalore, 1974-79.

Dr. R.B. Patil, Director of Instruction (Agriculture) Agricultural College, Dharwad.

HORTICULTURE

Edible Roots

2450. Mahrishi, Chandra Mohan.
Seed production, germination storage studies in Daucus carota L. Udaipur, 1978.

Dr. H.C. Sharma, Assoc. Prof., Department of Horticulture, S.K.N. College of Agriculture, Jobner.

Edible Tubers & Bulbs

2451. Bordia, Pravin Chandra.
Studies on the factors affecting the efficiency of radiations and chemical mutagens for inducing genetic and cytogenetic changes in onion. Udaipur, 1976-78.

Dr. Sudhir Kumar, Assoc. Prof., Department of Agricultural Botany, Rajasthan College of Agriculture, Udaipur.

2452. Madan, Surinder Pal Singh.
Studies on the nutrition of white onion, Allium cepa L. variety Punjab-48. Punjab Agrl, 1974-78.

Dr. Jarnail Singh, Assoc. Prof., Department of Vegetable Crops, Landscaping & Floriculture, Punjab Agricultural University, Ludhiana.

2453. Misra, Arvind.
Response of potato to plant density, fertility and irrigation levels. Banaras, 1969-79.

Prof. Mahatim Singh, Head, Department of Agronomy, Faculty of Agriculture, Banaras Hindu University, Varanasi.

2454. Verma, Onkar Singh.
Studies on soil moisture regimes, plants spacings and levels of nitrogen on growth, yield and quality of potato, Solanum tuberosum L. variety Kufri Chandra Mukhi. Kanpur, 1979.

Edible Flowers

2455. Kale, Pandurang Narsingrao.
Studies on F_1 hybrids and synthetics in Indian cauliflower, Brassica oleracea L var. Botrytis L. I.A.R.I, Delhi, 1974-79.

Dr. S.S. Chatterji. Division of Horticulture, Indian Agricultural Research Institute, New Delhi.

2456. Misra, Hari Prasad.
Studies on the effects of gibberellic acid, boron and nitrogen on growth, yield and quality of cauliflower, Brassica oleracea var. Botrytis L. cultivar Snowball-16. Banaras, 1976-79.

Dr. B.P. Singh, Lecturer. Department of Horticulture, Faculty of Agriculture, Banaras Hindu University, Varanasi.

2457. Sharma, Raj Pal.
Effect of the levels of N and P on cauliflower (var. Snowball-16) grown under different soil moisture regimes on the yield and quality of curd. Meerut, 1975-79.

Dr. Mahak Singh, Head, Department of Agronomy, J.V. College, Baraut.

Edible Fruits & Seeds

*2458. Anand, N.
Diallel analysis of F1 and F2 generations in tomato, Lycopersicon esculentum Mill. Tamil Nadu Agrl., 1974-78.

Dr. C.R. Muthukrishnan, Dean, Faculty of Horticulture, Tamil Nadu Agricultural University, Coimbatore.

2459. Bhonde, Satishkumar Ruprao.
Chemical regulation of sex expression in cucurbits. I.A.R.I., Delhi, 1975-79.

Dr. B. Choudhury, Head, Division of Horticulture, Indian Agricultural Research Institute, New Delhi.

2460. Chetan Singh.
Effect of growth hormones and fertilizers on the growth and yield of Capsicum annuum L. Meerut, 1971-79.

Prof. Y.S. Murty. Department of Plant Sciences, Institute of Advanced Studies, Meerut University, Meerut.

2461. Joshi, Dayaram Ladharam.
Effect of plant growth regulators on growth, yield and quality of brinjal, Solanum melongena L. Gujarat Agrl., 1978.

Prof. A.M. Majumdar, Principal, B.A. College of Agriculture, Anand.

2462. Pandey, Shiv Chand.
Genetic analysis of certain yield and quality traits in normal and mutagen treated populations of tomato, Lycopersicon esculentum Mill. Banaras, 1973-79.

Prof. R B. Singh, Department of Genetics and Plant Breeding, Faculty of Agriculture, Banaras Hindu University, Varanasi.

2463. Pandey, Shiv Kumar.
Line X tester analysis in brinjal, Solanum melongena L. Kanpur, 1979.

2464. Prasad, Ramji.
Morphological and genetical studies in bottle gourd. Kanpur, 1979.

2465. Prasad, Shanker.
Studies on the interrelationship of nitrogen and irrigation in spring tomato. I.A.R.I., Delhi, 1973-79.

Dr. P.N. Arora. Division of Agronomy, Indian Agricultural Research Institute, New Delhi.

2466. Singh, Ajit Kumar.
Genetic analysis of yield and yield components in Phaseolus vulgaris L. Himachal Pradesh Krishi, 1975-79.

Prof. S.S. Saini, Department of Vegetable Crops and Olericulture, College of Agriculture, Solan.

2467. Singh, Sada Shankar.
Nutritional studies on brinjal, Solanum melongena L. Banaras, 1974-79.

Dr. A.N. Maurya, Lecturer, Department of Horticulture, Faculty of Agriculture, Banaras Hindu University, Varanasi.

2468. Singh, Shyam Bahadur.
Response of bhindi, Abelmoschus esculentus (L.) Moench to gibberellic acid, receiving soil and foliar applications of N, P and K. Banaras, 1976-79.

Dr. B.P. Singh, Lecturer, Department of Horticulture, Faculty of Agriculture, Banaras Hindu University, Varanasi.

Aromatic Plants

2469. Anand Mohan.
Biometerological and biochemical studies in peppermint plant, Mentha piperita L. Kanpur, 1979.

Dr. R.K. Sharma, Head, Department of Horticulture, K.A.D. College, Allahabad.

Ornamental Plants

2470. Basu, Tapan Kumar.
Effect of ethrel and ancymidol on growth and flowering in ornamentals. Calcutta, 1979.

2471. Chaturvedi, O.P.
Studies on nutritional requirement of gladiolus. Kanpur, 1979.

Dr. P.M. Vajpai, Head, Department of Horticulture, C.S. Azad University of Agriculture and Technology, Kanpur.

2472. Dwivedi, Rishi Muni.
Fertilizer studies in roses. Kanpur, 1978.

2473. Shrivastava, Vidya Kant.
Cytotaxonomic classification of some polymorphic ornamentals. Kanpur, 1978.

ANIMAL HUSBANDRY

Breeding

2474. Anand, Gulshan Rai.
Genetic investigations on some performance traits and biochemical polymorphic traits in dairy cattle. Haryana Agrl., 1974-78.

Prof. Daya Singh, Head, Department of Animal Breeding, Haryana Agricultural University, Hissar.

2475. Bhargava, Ramesh Kumar.
Genetic studies on immunoglobulin in buffaloes in relation to survivability and health of calves. Kurukshetra, 1976-79.

Dr. C.R. Balakrishna, Scientist, Division of Dairy Cattle Genetics, National Dairy Research Institute, Karnal.

2476. Das, Dharmeswar.
Age and weight effects and life time performance of Hariana cattle and buffaloes. Haryana Agrl., 1975-78.

Prof. Daya Singh, Head, Department of Animal Breeding, Haryana Agricultural University, Hissar.

2477. Govindaiah, M.G.
Inheritance of sweat gland and coat characteristics in relation to performance of 'Taurus X Zebu cross-bred dairy cattle. Kurukshetra, 1974-79.

Dr. R. Nagarcenkar, Head, Division of Dairy Cattle Genetics, National Dairy Research Institute, Karnal.

2478. Gupta, Ram Niwas.
Biometrical genetic study on Tharparkarand Tharpakar Holstein Friesian crosses. J.N. Krishi, 1974-79.

Prof. K.S. Johar, Head, Department of Animal Breeding and Genetics, Jawaharlal Nehru Krishi Vishwavidyalaya, Jabalpur.

2479. Gurung, Bharat Singh.
Studies on genetic architecture of some of the economic traits and construction of selection index in Murrah buffaloes. J.N. Krishi, 1974-79.

Prof. K.S. Johar, Head, Department of Animal Breeding and Genetics, Jawaharlal Nehru Krishi Vishwavidyalaya, Jabalpur.

2480. Khan, Faizul Hasan.
Genetic architecture of a part lactation and its uses in selection of Murrah buffaloes. J.N. Krishi, 1974-79.

Prof. K.S. Johar, Head, Department of Animal Breeding and Genetics, Jawaharlal Nehru Krishi Vishwavidyalaya, Jabalpur.

2481. Narayankhedkar, Shankar Gunderao.
Genetic and environmental factors in dairy sire evaluation. Haryana Agrl., 1975-79.

Prof. Daya Singh, Head, Department of Animal Breeding, Haryana Agricultural University, Hissar.

2482. Pande, Maganlal Balaprasad.
Growth studies on male Surti buffalo calves for meat production. Gujarat Agrl., 1978.

Prof. P.C. Shukla, Department of Animal Nutrition, Gujarat College of Veterinary Science and Animal Husbandry, Anand.

2483. Rajagopala Raja, C.A.
Genetic studies on immunoglobulin of cattle and its relation to calf survivability. Kurukshetra, 1976-79.

Dr. C.R. Balakrishnan, Scientist, Division of Dairy Cattle Genetics, National Dairy Research Institute, Karnal.

Applied Nutrition

2484. Anandasubramoniam, C.R.
Studies on the nutritional requirements of the Indian elephants. Kerala Agrl., 1969-79.

Ex.-Prof. K. Chandra Menon.

2485. Khan, Sardar Ayyub.
Interaction of Cu and Zn and its influence on metabolism of major nutrients in growing calves. Aligarh (Chemistry) 1972-78.

Dr. R.K. Rajan, Lecturer, Department of Chemistry, Aligarh Muslim University, Aligarh.

2486. Kurar, Chand Krishan.
Effect of plane of nutrition on the utilization of feed nutrients for milk production in buffaloes. Panjab, 1971-79.

Dr. V.D. Mudgal, Head, Division of Cattle Nutrition and Physiology, National Dairy Research Institute, Karnal.

2487. Mhatre, A.B.
Studies in solmeal. Bombay (Chemistry) 1974-78.

Prof. S.P. Potnis, Department of Chemical Technology, University of Bombay, Bombay.

2488. Venkatarami Reddy, D.S.
Feeding value of forages in poultry. Punjab Agrl., 1974-79.

Prof. J.S. Ichhponani, Department of Animal Sciences, Punjab Agricultural University, Ludhiana.

VETERINARY SCIENCE

Anatomy

2489. Gaya Prasad.
Histological and histochemical studies on the adrenal glands of domestic animals. Magadh, 1971-78.

Dr. Ram Das Sinha, Ranchi Veterinary College, Ranchi.

2490. Kundu, Phani Bhusan.
Study of biometry of genital organs (moband samale) of Indian goat (Jamunapari and cross Jamunapari breed) with reference to the study of gross microscopic study of the organs. Magadh, 1969-78.

Dr. Ram Das Sinha, Ranchi Veterinary College, Ranchi.

*2491. Sethumadhavan, V.
Karyology and differential staining techniques of chromosomes of the Indian water buffaloes. Tamil Nadu Agrl., 1971-79.

Dr. V. Rathinasabapathi.

2492. Varnwal, Awadhesh Kumar.
Histological and histochemical studies on the salivary glands of Indian buffaloes. Magadh, 1970-78.

Dr. Ram Das Sinha, Ranchi Veterinary College, Ranchi.

Physiology

2493. Diwan Chand.
Thermal stability and physiological responses of neonate calves to acute heat stress. Haryana Agrl., 1973-79.

Prof. M.N. Razdan, Head, Department of Animal Production Physiology, Haryana Agricultural University, Hissar.

2494. Harmesh Chander.
Studies on buffalo blood grouping and its application in percentage determination. Panjab, 1973-78.

Dr. C.R. Bala Krishnan, Research Officer, Division of Dairy Cattle Genetics, National Dairy Research Institute, Karnal.

2495. Radadia, Nagji Shamjibhai.
Effect of differential body cooling during summer on milk production and some physiological aspects of female Murrah buffaloes. Haryana Agrl., 1976-79.

Prof. R.N. Pal, Dean, Post-Graduate Studies, Haryana Agricultural University, Hissar.

2496. Surinder Kumar.
Studies on cardiovascular haemodynamics of buffalo calves. Haryana Agrl., 1973-79.

Dr. O.P. Nangia, Assoc. Prof., Department of Veterinary Physiology, Haryana Agricultural University, Hissar.

2497. Tewari, Set Band.
Studies on semen production of native and cross bred rams as influenced by age, body size, season and different levels of feeding. Agra, 1978.

Dr. K.L. Sahni.

2498. Uppal, Raj Paul.
Neurologic effects of insecticides and their interaction with drugs. Haryana Agrl., 1976-79.

Dr. B.D. Garg, Assoc. Prof., Department of Veterinary Pharmacology, Haryana Agricultural University, Hissar.

Biochemistry

*2499. Jhingran, Chama.
Studies of sugar and amino acid components of glycoproteins from buffalo colostrum. Rohilkhand (Chemistry) 1975-78.

Dr. (Mrs.) Vimal Mehta, Lecturer, Department of Chemistry, Bareilly College, Bareilly.

*2500. Sarabhai, M.P.
Isolation and properties of cytochrome 'C' from buffalo heart. Rohilkhand (Chemistry) 1975-79.

Dr. (Mrs.) Vimal Mehta, Lecturer, Department of Chemistry, Bareilly College, Bareilly.

*2501. Sharma, Yag Dutta.
Studies on alpha globulines in normal buffalo serum : Isolation and characterisation of Alpha-i-acid glycoprotein. Rohilkhand (Chemistry) 1975-78.

Dr. (Mrs.) Vimal Mehta, Lecturer, Department of Chemistry, Bareilly College, Bareilly.

Pharmacology

2502. Chakrabarti, Animeshkumar,
Role of α (alpha) and β (beta) receptors in thermoregulation with special reference to precocial and altricial animals. Calcutta, 1979.

2503. Das, Parma Nanda.
Pharmacological study of herbal constituents of Prajana : An indigenous drug. Haryana Agrl., 1975-79.

Dr. B.D. Garg, Assoc. Prof., Department of Veterinary Pharmacology, Haryana Agricultural University Hissar.

Medicine

—*Veterinary Microbiology*

2504. Bansal, Gyan Chand.
Studies on comparative biology of strains of Theileria annulata. Punjab Agrl., 1976-79.

Dr. B.S. Gill, Dean, College of Veterinary Science, Punjab Agricultural University, Ludhiana.

2505. Dholakia, Praduman Mulventray.
Studies on antigenic and immunogenic properties of clwelchii type D. with an attempt to improve upon the existing vaccine. J.N. Krishi, 1976-79.

Prof. S.P. Saxena, Head, Department of Microbiology, College of Veterinary Science and Animal Husbandry, Jabalpur.

2506. Manchanda, V.P.
Studies on Corynebacterium equi. Agra, 1978.

Dr. J.N.S. Yadav, Central Drug Research Institute, Lucknow.

2507. Murali Krishna, Bharatula.
Studies on the interacellular protease from Streptococcus cremoris. Panjab, 1973-79.

Dr. S.M. Dutta, Assoc. Prof., Division of Microbiology, National Dairy Research Institute, Karnal.

2508. Singh, Narayan.
Immunogenic characterization of buffalo pox virus. Pant Agrl., 1974-79.

Dr. I.P. Singh, Dean, College of Veterinary Sciences, G.B. Pant University of Agriculture and Technology, Pantnagar.

—*Immunology*

2509. Agrawal, Mahesh Chandra.
Studies on the heterologous immunity in Schistosomiasis. J.N. Krishi, 1978.

2510. Basak, Dipak Kumar.
Studies on the pathology of premature and mature amphistomes in cattle, buffalo and goat and their immunological response. Calcutta, 1979.

*2511. Jalnapurkar, B.V.
Foetal immune system and serum immunoglobin levels with reference to neonatal mortality in buffalo. Konkan Krishi, 1972-78.

Dr. S.M. Ajinkya, Head, Department of Parasitology, Pathology and Bacteriology etc., Bombay Veterinary College, Parel, Bombay.

2512. Shanti Sarup.
Studies on some aspects of anaplasmosis with special reference to its serology and immunology. Haryana Agrl., 1972-79.

Prof. O.P. Gautam, Head, Department of Veterinary Medicine, Haryana Agricultural University, Hissar.

Diseases of Respiratory System

2513. Chhote Lal.
Influenza infection in domestic animals : A serologic and virologic study. Pant Agrl., 1975-78.

Dr. S.K. Negi, Asstt. Prof., Department of Microbiology and Public Health, G.B. Pant University of Agriculture and Technology, Pantnagar.

2514. Singh, S.P.
Respiration pneumonia in calves : Clinico-pathological studies. Pant Agrl., 1973-79.

Prof. N.P. Singh, Head, Department of Veterinary Pathology, G.B. Pant University of Agriculture and Technology, Pantnagar.

Diseases of Reproductive System

2515. Pandit, Rajendra Kumar.
Studies on vaginal and uterino prolapse in buffaloes. Punjab Agrl., 1976-79.

Dr. S.K. Gupta, Division of Animal Reproduction, Indian Veterinary Research Institute, Izatnagar.

2516. Prasad, Anirudha.
Studies on synchronisation of oestrus in buffaloes and conception rate with frozen semen. Kurukshetra, 1976-79.

Dr. R.S. Pandey, Research Officer, Division of Dairy Chemistry, National Dairy Research Institute, Karnal.

Bacterial & Viral Diseases

2517. Kishan Chand.
Studies on the bacteriocins and bacteriophages of food poisoning strains of Clostridium perferingens type A. Haryana Agrl., 1974-79.

Dr. K.G. Narayan, Assoc. Prof., Department of Veterinary Bacteriology and Hygiene, Haryana Agricultural University, Hissar.

2518. Soman, J.P.
Characterization of cell culture adapted sheep pox virus with particular reference to virulence and immunogenicity to sheep. Pant Agrl., 1974-79.

Dr. I.P. Singh, Dean, College of Veterinary Sciences, G.B. Pant University of Agriculture and Technology, Pantnagar.

2519. Subba Rao, Mandava Venkat.
Antigenic analysis of sheep pox viruses and its comparison with goat pox and contagious pustular dermatitis viruses. J N. Krishi, 1973-79.

Dr. B.S. Malik, Asstt. Prof., Department of Microbiology, Jawaharlal Nehru Krishi Vishwavidyalaya, Jabalpur.

Protozoan Diseases

2520. Kalita, Chandi Charan.
Studies on the isolation, some aspects of pathogenesis and chemotherapy of toxoplasmosis. Haryana Agrl., 1975-79.

Prof. O.P. Gautam, Head, Department of Veterinary Medicine, Haryana Agricultural University, Hissar.

*2521. Khot, Jayakumar Bapusaheb.
Studies on calfhood diseases with special reference to enteric infections on organised farms around Bombay. Konkan Krishi, 1971-79.

Dr. S.M. Ajinkya, Head, Department of Parasitology, Pathology, Bacteriology etc. Bombay Veterinary College, Parel, Bombay.

2522. Shiv Lal.
Studies on the isolation, serodiagnosis and irradiated vaccine in toxoplasmosis. Haryana Agrl., 1975-79.

Prof. O.P. Gautam, Head, Department of Veterinary Medicine, Haryana Agricultural University, Hissar.

Parasitic Diseases

2523. Baruah, Prafulla Kumar.
Studies on some aspects of Neoascaris vitulorum infection in buffalo calves. Haryana Agrl., 1974-79.

Dr. R.P. Singh, Assoc. Prof., Department of Veterinary Medicine, Haryana Agricultural University, Hissar.

2524. Chandrasekharan, K.
Studies on the biology, pathogenicity and treatment of important nematodes of domestic ducks. Kerala Agrl., 1973-78.

Prof. Lalyana Sundaram, Department of Parasitology, College of Veterinary and Animal Sciences, Mannuthy, Kerala.

2525. Ghosh, Sukhendu Bhushan.
Studies on sarcocystis of the buffalo, Bubalus bubalis. J.N. Krishi, 1975-79.

Prof. H.L. Shah, Head, Department of Parasitology, Jawaharlal Nehru Krishi Vishwavidyalaya, Jabalpur.

2526. Ikram Uddin Ahmed.
Some aspects of mycoses and mycotoxicoses of animals in Nagaland. Gauhati, 1971-79.

Dr. H.K. Baruah, Lecturer, Department of Botany, Gauhati University, Gauhati.

2527. Kishan Chand.
Studies on Degnala disease with particular reference to its etiopathology. Haryana Agrl., 1974-79.

Prof. D.S. Kalra, Head, Department of Veterinary Pathology, Haryana Agricultural University, Hissar.

POULTRY FARMING

2528. Bhattacharyya, Sankarprasad.
Utilisation of industrial wastes (biscuit factory) in the replacement of cereals in poultry feed. Calcutta, 1979.

2529. Deshmukh, Sakharam Narayanrao.
Studies on genetic divergence in poultry. Haryana Agrl., 1975-78.

Prof. Daya Singh, Head, Department of Animal Breeding, Haryana Agricultural University, Hissar.

*2530. Eswaran, B.M.
Relationship of blood glutathione level with production traits in Meyer strain white leghorn layers. Tamil Nadu Agrl., 1971-78.

Dr. V. Rathinasabapathi.

*2531. Govinda Rao, R.
Plasma alkaline phosphatase levels as a selection index in poultry production. Tamil Nadu Agrl., 1973-78.

Prof. P. Kothandaraman, Head, Department of Poultry Science, Madras Veterinary College, Madras.

*2532. Joshi, Vasant Gopal.
Studies on thyroid function in different strains of fowl in relation to growth rate and laying performance. Konkan Krishi, 1974-79.

Prof. R.K. Raikar, 2/40 Vaibhav Co-operative Housing Society, Sahakar Nagar, Shell Colony, Chembur, Bombay.

*2533. Madan, Mantri Asha.
Studies on the luteinizing hormone (LH) in domestic fowl, Gallus domesticus. Konkan Krishi, 1974-79.

Prof. R.K. Raikar, 2/40, Vaibhav Co-operative Housing Society, Sahakar Nagar, Shell Colony, Chembur, Bombay,

2534. Sharma, Ved Parkash.
Effect of feed restriction on the performance of egg type pullet. Haryana Agrl., 1975-78.

Dr. D.P. Sharda, Assoc. Prof., Department of Animal Nutrition, Haryana Agricultural University, Hissar.

2535. Yadav, Mahesh Chandra.
Performance of crossbred broilers at different inheritance levels. Agra, 1978.

Dr. O.P.S. Sengar, Head, Department of Animal Husbandry and Dairying, R.B.S. College, Agra.

DAIRYING & DAIRY PRODUCTS

2536. Arumughan, C.
Triglyceride structure of buffaloe milk fat. Kurukshetra, 1976-79.

Dr. K.M. Narayanan, Head, Department of Dairy Chemistry, National Dairy Research Institute, Karnal.

2537. Joginder Singh.
Role of sulphur compounds in sterilized milk, condensed milk and milk powders. Panjab, 1970-79.

Prof. M.R. Srinivasan, A.P. Dairy Development Corporation Ltd., Lalapet, Hyderabad.

2538. Krishna Rao, L.
Purification, characterization and utilization of bacterial rennet from Bacillus subtilis K-26 for cheese manufacture. Panjab, 1973-79.

Dr. D.K. Mathur, Division of Dairy Bacteriology, National Dairy Research Institute, Karnal.

2539. Lembhe, Arvind Fakir Chand.
Studies on aflatoxin in milk and milk products. Panjab, 1973-79.

Dr. Ranganathan, Head, Division of Bacteriology, National Dairy Research Institute, Karnal.

2540. Satia, Harbakhsh Singh.
Buffalo brick : A study in the manufacture of a quick ripening variety of cheese from buffalo milk. Panjab, 1955-79.

Dr. I.S. Verma, Director, Food Research and Development, Glaxo Laboratories, Thana, Bombay.

*2541. Saxena, Kamla Devi.
Studies on minor milk proteins of Indian buffaloes : Isolation and characterization of glycoprotein from adult milk. Rohilkhand (Chemistry) 1975-79.

Dr. (Mrs) Vimal Mehta, Department of Chemistry, Bareilly College, Bareilly.

2542. Sharma, Ghan Shyam.
Studies on some physical properties of buffalo milk and its products Meerut (Physics) 1974-79.

Dr. N.K. Roy. National Dairy Research Institute, Karnal.

2543. Singh, Chanderodya.
Manufacturing methods and storage properties of ghee. Kanpur, 1979.

Dr. N.S. Kushwaha, Assoc. Prof., Department of Animal Husbandry and Dairying, C.S. Azad University of Agriculture and Technology, Kanpur.

2544. Singh, Jitender Kumar.
Studies on chhana, an indigenous milk product, its technology, quality, packing and storage. Kanpur, 1979.

TECHNOLOGY

CHEMICAL TECHNOLOGY

2545. Singh, C.P.P.
Process simulation of ammonia plant. I.I.T., Kanpur, 1973-79.

Prof. D.N. Saraf, Department of Chemical Engineering, Indian Institute of Technology, Kanpur.

Physical Operations

2546. Abdul Haq.
Transport phenomena through membranes. Aligarh (Chemistry) 1975-78.

Dr. F.A. Siddiqi, Reader, Department of Chemistry, Aligarh Muslim University, Aligarh.

2547. Balakrishna, M.
Heat transfer in agitated vessels. I.I.Sc., Bangalore, 1969-79.

Dr. M.S. Murthy, Asstt. Prof., Department of Chemical Engineering, Indian Institute of Science, Bangalore.

2548. Devotta, Sukumar.
Studies in transport phenomena. hydrodynamics of drop formation and heat transfer across liquid liquid interface during formation and rise of drops. Madras, 1974-79.

Prof. K. Chandrasekharan, Department of Chemical Engineering, A.C. College of Technology, Madras.

2549. Gandhidasan, P.
Investigations of heat and mass transfer processes in a solar regenerator. I.I.T., Madras (Mechanical Engineering) 1979.

Prof. M.C. Gupta, Department of Mechanical Engineering, Indian Institute of Technology, Madras.

2550. Govardhana Rao, V.
Study of the pressure drop and liquid held up in gas-liquid concurrent down flow through packed beds. I.I.T., Madras, 1979.

Dr. R.G. Varma, Department of Chemical Engineering, Indian Institute of Technology, Madras.

Dr. M.S. Ananth, Asstt. Prof., Department of Chemical Engineering. Indian Institute of Technology, Madras.

2551. Haribabu, Putchakayala.
Hydrocarbon combustion in a fluidized bed. I.I.T., Delhi, 1974-79.

Prof. M.K. Sarkar, Head, Department of Chemical Engineering, Indian Institute of Technology, New Delhi.

Dr. D. Subbarao, Asstt. Prof., Department of Chemical Engineering, Indian Institute of Technology, New Delhi.

2552. Jagannathan, R.
Studies on collagen dialysis membrane and design analysis of hemedialyser. I.I.T., Madras, 1979.

Dr. U.R. Shettigar, Department of Chemical Engineering, Indian Institute of Technology, Madras.

2553. Jhulan Singh.
Transport studies through charged and uncharged membranes. Gorakhpur (Chemistry) 1978.

2554. Kameswara Rao, U.
Studies on hydrocyclone. I.I.T., Madras, 1979.

Dr. D. Venkateswaralu, Department of Chemical Engineering, Indian Institute of Technology, Madras.

2555. Kishore, V.V.N.
A study of vibrational relaxation in shock heated SO_2, SO_2+Ar and SO_2+He by laser Schlieren technique. I.I.T., Kanpur, 1973-79.

Dr. S.V. Babu, Asstt. Prof., Department of Chemical Engineering, Indian Institute of Technology, Kanpur.

Prof. V. Subba Rao, Department of Chemical Engineering, Indian Institute of Technology, Kanpur.

2556. Madhavan, K.P.
Concentration measurements using high frequency conductometric method. I.I.T., Bombay, 1962-79.

2557. Mujawar, B.A.
Gas non Newtonian liquid two-phase flow in helical coils. I.I.T., Bombay, 1976-79.

Prof. M. Raja Rao, Department of Chemical Engineering, Indian Institute of Technology, Bombay.

2558. Pal, Sitangsu Sekhar.
Studies on vertical two phase co-current flow with improved gas-liquid mixing. I.I.T., Kharagpur, 1975-79.

Prof. A.N. Roy, Department of Chemical Engineering, Indian Institute of Technology, Kharagpur.

Prof. A.K. Mitra, Department of Chemical Engineering, Indian Institute of Technology, Kharagpur.

2559. Sangameswaran, B.
Stochastic analysis of the number density fluctuations in a gas fluidized bed. I.I.T., Madras, 1979.

Prof. T. Gopichand, Department of Chemical Engineering, Indian Institute of Technology, Madras.

2560. Surendra Pal Singh.
Transport studies through the membranes. Aligarh (Chemistry) 1973-78.

Dr. Naseem Beg, Lecturer, Department of Chemistry, Aligarh Muslim University, Aligarh.

Dr. F.A. Siddiqi, Reader, Department of Chemistry, Aligarh Muslim University, Aligarh.

2561. Vaid, R.P.
Some studies in critical velocities of liquid fluidised bed. I.I.T., Kharagpur. 1976-79.

Prof. P. Sen Gupta, Department of Chemical Engineering, Indian Institute of Technology, Kharagpur.

Mass Transfer

*2562. Dutta, Swapan Kumar.
Studies on effect of ultrasonics on the rate of diffusions. Burdwan, 1972-79.

Prof. A.P. Sinha, Head, Department of Chemical Engineering, R.E. College, Durgapur.

2563. Sharma, C. Bhaskara.
Ionic mass transfer at circular and elliptical cylinders in cross flow in fluidized beds. Andhra, 1979.

Prof. G.J.V. Jagannadha Raju, Department of Chemical Engineering, Andhra University, Waltair.

Solvent Extraction

2564. Balaram, Vysetti.
Studies on the solvent extraction of molybdenum (VI) in the presence of some anions and neutral donors. Andhra (Chemistry) 1979.

Prof. V.P. Rao, Department of Chemistry, Andhra University, Waltair.

2565. Das, Himadri Kumar.
Studies on solvent extraction and spectrophotometric determination of some metal ions with diphenylcarbazone. Gauhati (Chemistry) 1974-78.

Dr. K.G. Kaimal, Reader, Department of Chemistry, Gauhati University, Gauhati.

2566. Krishna Reddy, L.
Studies on the solvent extraction of lanthanides and actinides. Venkateswara (Chemistry) 1974-79.
Dr. A. Sambasiva Reddy, Reader, Department of Chemistry, S.V.U. College of Arts and Sciences, Tirupati.

2567. Misra, Bidyabati.
Solvent extraction of iron (III) from hydrochloric acid solution with sulphoxides. Utkal (Chemistry) 1978.

Prof. S.R. Mohanty, Department of Chemistry, Utkal University, Vani Vihar, Bhubaneswar.

2568. Swaminathan, T.
Studies on stirred ultrafiltration of proteins. I.I.T., Kanpur, 197 -79.

Dr. Malay Chaudhuri.

Prof. K.K. Sirkar, Department of Chemical Engineering, Indian Institute of Technology, Kanpur.

Heat Transfer

2569. Tavare, N.S.
Studies in crystallization. Bombay, 1975-78.

Prof. M.R. Chivate, Department of Chemical Technology, University of Bombay, Bombay.

Chemical Operations

2570. Bandyopadhyay, S.S.
Studies on carbonation of sodium chromate. I.I.T., Kharagpur, 1974-79.

Prof. N.C. Roy, Department of Chemical Engineering, Indian Institute of Technology, Kharagpur.

Dr. A.K. Biswas, Asstt. Prof., Department of Chemical Engineering, Indian Institute of Technology, Kharagpur.

2571. Subhash Chand.
Isomerization of cellulose hydrolyzate using immobilised microbial cells. I.I.T., Delhi, 1974-79.

Prof. T.K. Ghose, Head, Biochemical Engineering Research Centre, Indian Institute of Technology, New Delhi.

Oxidation & Reduction

2572. Satya Kumar.
Studies in the ammoxidation of 3-methylpyridine using promoted vanadia catalyst. I.I.T., Bombay, 1976-79.

Prof. S.Z. Hussain, Department of Chemical Engineering, Indian Institute of Technology, Bombay.

2573. Shenoy, S.C.
Studies of oxidative dehydrogenation of n-butane over bismuth molybdate—aluminium phosphate catalyst. I.I.T., Kanpur, 1973-79.

Dr. M.S. Rao, Asstt. Prof., Department of Chemical Engineering, Indian Institute of Technology, Kanpur.

2574. Venkateswar, S.
Studies in dehydrogenation of 2-ethyl-1-hexanol and N-hexanol. Osmania, 1979.

Dr. M. Bhagavanth Rao, Reader, Department of Chemical Technology and Chemical Engineering, Osmania University, Hyderabad.

Esterification

2575. Jagadish, K.
Kinetics of esterification of isobutyl alcohol with

palmitic acid in a batch reactor, using para-toluene sulphonic acid and ZEO-Karb 225 resin catalysts. Kakatiya, 1973-79.

Prof. P. Bhimeswara Rao, Department of Chemical Engineering, Regional Engineering College, Warangal.

Polymerization

2576. Shrivastava, Tarkeshwar Prakash.
Studies on block copolymerization of styrene and acrylamide and other related systems. Kanpur, 1979.

Fermentation

2577. Tyagi, R.D.
Kinetic studies of continuous fermentation of sacharified cellulose to ethyl alcohol. I.I.T., Delhi, 1973-79.

Prof. T.K. Ghose, Head, Biochemical Engineering Research Centre, Indian Institute of Technology, New Delhi.

Applied Physical Chemistry

Thermochemistry

2578. Desai, Bhalendu Kusumray.
Kinetics of thermal cracking of liquid hydrocarbons and their mixtures. I.I.T., Delhi, 1975-79.

Prof. M K. Sarkar, Head, Department of Chemical Engineering, Indian Institute of Technology, New Delhi

2579. Sachchidanand.
Kinetics of thermal cracking of hydrocarbons by pulsed micro reactor. I.I.T., Delhi, 1974-79.

Prof. M.K. Sarkar, Head, Department of Chemical Engineering, Indian Institute of Technology, New Delhi.

Electrochemistry

2580. Mital, C.K.
Kinetics of electrodissolution and electro-deposition of metals. I.I.T., Bombay, 1974-79.

Reaction Kinetics

2581. Bhargava, R.K.
Kinetics of nitrogenous reactions : Absorption, desorption, selectivity of complex reactions stability of reactors. Bombay, 1974-78.

Prof. M.M. Sharma, Department of Chemical Technology, University of Bombay, Bombay.

2582. Kulkarni, Bhaskar Dattatraya.
Studies in gas-liquid reactions. Nagpur, 1973-78.

Dr. L.K. Doraiswamy, Division of Chemical Engineering and Process Development, National Chemical Laboratory, Pune.

2583. Shetty, V.P.
Studies in reaction engineering : Dehydrogenation-condensation of ethanol laminar dispersion in curved system. Bombay, 1969-78.

Prof. K. Vasudeva, Department of Chemical Technology, University of Bombay, Bombay.

Industrial Biology

2584. Dwivedi, Chandrika Prasad.
Hydrolysis of cellulosic materials using enzymes of *Trichoderma ressei* QM 9414 and *Aspergillus wentii* PT 2904. I.I.T., Delhi, 1975-79.

Prof. T.K. Ghose, Head, Biochemical Engineering Research Centre, Indian Institute of Technology, New Delhi.

2585. Narain, B.
Studies on thermal degradation of chlorophyll in green vegetables. Bombay, 1973-78.

Dr. P.J. Dubash, Reader, Department of Chemical Technology, University of Bombay, Bombay.

2586. Rao, B.K.S.
Studies in cell design : Chlorate cell. I.I.T., Bombay, 1963-79.

2587. Sahai, Vikram
Production of cellulases by Trichoderma ressei QM 9414 in continuous bath and fed batch cultures. I.I.T., Delhi, 1975-79.

Prof. T.K. Ghose, Head, Biochemical Engineering Research Centre, Indian Institute of Technology, New Delhi.

FUEL TECHNOLOGY

2588. Dastidar, M.G.
Vapour extraction and devolatilization of Assam coal. I.I.T., Delhi, 1973-79.

Prof. M.K. Sarkar, Head, Department of Chemical Engineering, Indian Institute of Technology, New Delhi.

Dr. D.P. Rao. Asstt. Prof., Department of Chemical Engineering, Indian Institute of Technology, New Delhi.

2589. Hafez Ahmad.
Chemical additives in liquid fuels : Smoke suppressant for diesel fuel. I.I.T., Bombay, 1976-79.

Prof. S. Sarkar, Department of Chemical Engineering, Indian Institute of Technology, Bombay.

2590. Ramaprabhu, R.
Studies on the ignition behaviour of composite solid propellents using a shock tube. I.I.T., Madras, 1979.

Dr. V. Sriramulu, Asstt. Prof., Department of Mechanical Engineering, Indian Institute of Technology, Madras.

2591. Singh, R.R.
Catalysed combustion of composite solid rocket propellants. Gorakhpur (Chemistry) 1979.

FOOD TECHNOLOGY

2592. Arya, Sadasingh.
Studies on some physico-chemical changes during processing and storage of food materials. Mysore (Chemistry) 1979.

2593. Bali, G.S.
Studies on the nutritive value, texture and microbiological changes in fresh meat processed by freeze drying technique. Mysore, 1978.

2594. Doke, Sham Narayan.
Involvement of lysosomal enzymes in fish spoilage. Poona (Chemistry) 1974-79.

Dr. G.B. Nadkarni, Head, Division of Biochemistry and Food Technology, Bhabha Atomic Research Centre, Trombay, Bombay.

2595. Eipeson, W.E.
Investigation on the internal corrosion of tin plate cans of some vegetables. Mysore, 1978.

2596. Manekia, I.S.
Studies on potato processing. Bombay, 1975-79.

Dr. D.V. Tamhane, Reader, Department of Chemical Technology, University of Bombay, Bombay.

2597. Maninder Kaur.
Effect of L-cysteine, HCl, oxidants, amylases and surfactants on the rheological and breadmaking properties of Indian wheats. Punjab Agrl., 1975-79.

Prof. G.S. Bains, Head, Department of Food Science and Technology, Punjab Agricultural University, Ludhiana.

2598. Nigam, Alaka.
Studies on inorganic constituents (Na, K, Mg and PO_4) in sugarcane juices and their fate during the process of clarification. Kanpur (Chemistry) 1979.

2599. Rajinder Pal Singh.
Study of proteolytic activity of Indian wheats in relation to rheological and baking characteristics. Punjab Agrl., 1974-79.

Prof. G.S. Bains, Head, Department of Food Science and Technology, Punjab Agricultural University, Ludhiana.

CERAMIC TECHNOLOGY

2600. Bhunia, Durgasankar.
Studies on the effect of partial replacement of CaO by BaO and SrO on the hydraulic cements of fixed alumina content. Calcutta, 1978.

2601. Samanta, Chittaranjan.
Hydraulic activity and sulfate resistance of Portland pozzolanic (Portland Surkhi) cements. Calcutta, 1978.

METALLURGY

Physico-Chemical Metallurgy

2602. Balakrishna, S S.
Synthesis and analysis of binary phase diagrams. I.I.T., Bombay, 1975-79.

Prof. A.K. Mallik, Department of Metallurgical Engineering, Indian Institute of Technology, Bombay.

*2603. Basu, Amitabha.
Effect of metallurgical variables on grain size and consequent wear characteristics in metal cuttings of high-speed type tool steels. Burdwan, 1976-78.

Prof S.C. Das Gupta, Head, Department of Metallurgical Engineering, Regional Engineering College, Durgapur.

Dr. Sukumar Jana, Asstt. Director, Central Mechanical Engineering Research Institute, Durgapur.

2604. Godkhindi, M.M.
Diffusion in porous metals. I.I.T., Bombay, 1971-79.

Prof. G S. Tendolkar, Department of Metallurgical Engineering, Indian Institute of Technology, Bombay.

2605. Illangovan, S.
Galvanic cementation winning of copper from chalcopyrite leached with ferric chloride solution. I.I.Sc , Bangalore, 1974-79.

Prof. K.I. Vasu, Department of Metallurgy, Indian Institute of Science, Bangalore.

Metallography

2606. Agarwal, Ranchhor Das.
Study in production of alloy powders by cementation. Roorkee, 1975-79.
Prof. M.L. Mehta, Department of Metallurgical Engineering, University of Roorkee, Roorkee.

Dr. M.L. Kapoor, Reader, Department of Metallurgical Engineering, University of Roorkee, Roorkee.

2607. Banerjee, Dipankar.
Phase equilibria and transformations : A microstructural characterisation of some Ti-Al-Mo alloys containing the phase. I.I.Sc., Bangalore, 1974-79.

Prof. K.I. Vasu, Department of Metallurgy, Indian Institute of Science, Bangalore.

2608. Chattopadhyay, Kamanio.
Phase transitions in rapidly solidified aluminium alloys. Banaras, 1974-79.

Dr. P. Ramachandra Rao, Reader, Department of Metallurgy, Faculty of Engineering and Technology, Banaras Hindu University, Varanasi.

2609. Doraivelu, S.M.
Studies on the influence of temperature and mean strain rate on the flow stress of alloy steels. I.I.T., Madras, 1979.

Prof. V.C. Venketesh, Department of Mechanical Engineering, Indian Institute of Technology, Madras.

2610. Pabi, S.K.
Studies on the dissolution of second phase in alloys. I.I.T., Kharagpur, 1976-79.

Prof. P.G. Mukunda, Department of Metallurgical Engineering, Indian Institute of Technology, Kharagpur.

2611. Sherbine, G.M.
Studies on the mechanisms of stress corrosion cracking in alphabrass and Cu-9 Mn alloy. I.I.T., Khargpur, 1975-79.

Dr. U.K. Chatterjee, Asstt. Prof., Department of Metallurgical Engineering, Indian Institute of Technology, Kharagpur.

Prof. S.C. Sircar, Department of Metallurgical Engineering, Indian Institute of Technology, Kharagpur.

METAL MANUFACTURE

2612. Paramguru, R.K.
Kinetics of electrode processes of sulphides in aqueous solutions and direct electrowinning of lead by use of lead sulphide anode. I.I.T., Kharagpur, 1973-79.

Dr. S.K. Bose, Asstt. Prof., Department of Metallurgy, Indian Institute of Technology, Kharagpur.

Moulding & Casting

2613. Chakraborty, Madhusudan.
Studies and control of properties and behaviour of various sand systems used for metal casting by application of statistical design of experiments. I.I.T., Kharagpur, 1975-79.

Dr. B K. Dindaw, Department of Metallurgy, Indian Institute of Technology, Kharagpur.

2604. Godkhindi, M.M.
Diffusion in porous metals. I.I.T., Bombay, 1971-79.

Prof. G S. Tendolkar, Department of Metallurgical Engineering, Indian Institute of Technology, Bombay.

2605. Illangovan, S.
Galvanic cementation winning of copper from chalcopyrite leached with ferric chloride solution. I.I.Sc., Bangalore, 1974-79.

Prof. K.I. Vasu, Department of Metallurgy, Indian Institute of Science, Bangalore.

Metallography

2606. Agarwal, Ranchhor Das.
Study in production of alloy powders by cementation. Roorkee, 1975-79.
Prof. M.L. Mehta, Department of Metallurgical Engineering, University of Roorkee, Roorkee.

Dr. M.L. Kapoor, Reader, Department of Metallurgical Engineering, University of Roorkee, Roorkee.

2607. Banerjee, Dipankar.
Phase equilibria and transformations : A microstructural characterisation of some Ti-Al-Mo alloys containing the phase. I.I.Sc., Bangalore, 1974-79.

Prof. K.I. Vasu, Department of Metallurgy, Indian Institute of Science, Bangalore.

2608. Chattopadhyay, Kamanio.
Phase transitions in rapidly solidified aluminium alloys. Banaras, 1974-79.

Dr. P. Ramachandra Rao, Reader, Department of Metallurgy, Faculty of Engineering and Technology, Banaras Hindu University, Varanasi.

2609. Doraivelu, S.M.
Studies on the influence of temperature and mean strain rate on the flow stress of alloy steels. I.I.T., Madras, 1979.

Prof. V.C. Venketesh, Department of Mechanical Engineering, Indian Institute of Technology, Madras.

2610. Pabi, S.K.
Studies on the dissolution of second phase in alloys. I.I.T., Kharagpur, 1976-79.

Prof. P.G. Mukunda, Department of Metallurgical Engineering, Indian Institute of Technology, Kharagpur.

2611. Sherbine, G.M.
Studies on the mechanisms of stress corrosion cracking in alphabrass and Cu-9 Mn alloy. I.I.T., Khargpur, 1975-79.

Dr. U.K. Chatterjee, Asstt. Prof, Department of Metallurgical Engineering, Indian Institute of Technology, Kharagpur.

Prof. S.C. Sircar, Department of Metallurgical Engineering, Indian Institute of Technology, Kharagpur.

METAL MANUFACTURE

2612. Paramguru, R.K.
Kinetics of electrode processes of sulphides in aqueous solutions and direct electrowinning of lead by use of lead sulphide anode. I.I.T., Kharagpur, 1973-79.

Dr. S.K. Bose, Asstt. Prof., Department of Metallurgy, Indian Institute of Technology. Kharagpur.

Moulding & Casting

2613. Chakraborty, Madhusudan.
Studies and control of properties and behaviour of various sand systems used for metal casting by application of statistical design of experiments. I.I.T., Kharagpur, 1975-79.

Dr. B K. Dindaw, Department of Metallurgy, Indian Institute of Technology, Kharagpur.

2614. Deo Nath.
Preparation and properties of cast aluminium alloy mica particle composite. I.I.Sc., Bangalore, 1974-79.

Prof. P.K. Rohatgi, Department of Mechanical Engineering, Indian Institute of Science, Bangalore.

Prof. R.M. Mallya, Head, Department of Metallurgy, Indian Institute of Science, Bangalore.

2615. Muralidhar, K.
Solidification of aluminium alloys in coated permanent molds. I.I.Sc., Bangalore (Mechanical Engineering) 1971-79.

Prof. M.N. Srinivasan, Department of Mechanical Engineering, Indian Institute of Science, Bangalore.

Prof. M.R. Seshadri, Department of Mechanical Engineering, Indian Institute of Science, Bangalore.

2616. Radhakrishna, K.
Effect of thermal parameters on structure and properties of chilled aluminium alloy castings. I.I.Sc., Bangalore (Mechanical Engineering) 1974-79.

Dr. S. Seshan, Asstt. Prof., Department of Mechanical Engineering, Indian Institute of Science, Bangalore.

2617. Rangaswami, T.
Studies on sand systems for high pressure moulding process. Venkateswara (Mechanical Engineering) 1974-78.

Prof. G. Ramakrishnan, Head, Department of Mechanical Engineering, S.V.U. College of Engineering, Tirupati.

Prof. H. Mohammed Roshan, Department of Metallurgy, Indian Institute of Technology, Madras.

2618. Srinivasan, S.V.
Studies on high temperature properties of synthetic moulding sands and their relation to casting defects. I.I.T., Madras, 1978.

Prof. H. Mohammed Roshan, Department of Metallurgy, Indian Institute of Technology, Madras.

2619. Thambaw, M I.
Studies on solidification of aluminium base alloys in cast iron module and thermal behaviour of the mould. I.I.T., Madras, 1979.

Dr. K. Ramachandran, Department of Metallurgy, Indian Institute of Technology, Madras.

2620. Vishnu, T.
Development of a controlled chilling process for shell face mould castings. I.I.Sc., Bangalore (Mechanical Engineering) 1975-79.

Prof. M.R. Seshadri, Department of Mechanical Engineering, Indian Institute of Science, Bangalore.

Dr K S. Srinivasa Murthy, Department of Mechanical Engineering, Indian Institute of Science, Bangalore.

Sintering

2621. Bhat, R.
Studies on sintering of beryllia : Influence of minor additions on sintering of beryllia. Bombay (Chemistry) 1970-78.

Dr. V.K. Murthy, Bhabha Atomic Research Centre, Trombay, Bombay.

2622. Prasad, G.E.
Studies on the mechanism of sintering : Sinterability of oxide powders. Bombay (Chemistry) 1971-78.

Dr. V.K. Murthy, Bhabha Atomic Research Centre, Trombay, Bombay.

TEXTILE TECHNOLOGY

2623. Bhattacharya, Tapas Kumar.
Studies on false twist texturisation of nylon-6. I.I.T., Delhi, 1973-78.

Dr. A.K. Mukerjee, Asstt. Prof., Department of Textile Technology, Indian Institute of Technology, New Delhi.

Prof. A.K. Sengupta, Department of Textile Technology, Indian Institute of Technology, New Delhi.

2624. Goel, Ravinder Nath.
Studies on arylene pyromellitimide polymers and fibers. I.I.T., Delhi, 1975-78.

Prof. D.S. Verma, Department of Textile Technology, Indian Institute of Technology, New Delhi.

Prof. (Mrs.) I.K. Verma, Department of Chemistry, Indian Institute of Technology, New Delhi.

2625. Lugade, A.C.
Synthesis of dyes and textile auxiliaries through azido intermediates. Bombay, 1970-78.

Dr. B.D. Tilak, National Chemical Laboratory, Pune.

2626. Sadhir, Rajender Kumar.
Radiation inducted graft copolymerisation of methyl metharylate on natural and modified wool. I.I.T., Delhi, 1974-78.

Prof. D.S. Verma, Department of Textile Technology, Indian Institute of Technology, New Delhi.

2627. Sahrawat, Bhoop Singh.
Synthesis and characterisation of fire-retardant compounds for textiles. Kurukshetra, 1976-79.

Prof. H.L. Bhatnagar, Head, Department of Chemistry, Kurukshetra University, Kurukshetra.

2628. Satish Kumar.
Effect of heat-setting on the structure and mechanical properties of polyethylene, terephthalate fibre. I.I.T., Delhi, 1975-79.

Prof. V.B. Gupta, Head, Department of Textile Technology, Indian Institute of Technology, New Delhi.

2629. Sharma, Jai Krishan.
Studies on imparting non-flammability to textiles. Kurukshetra, 1976-79.

Prof. H.L. Bhatnagar, Head, Department of Chemistry, Kurukshetra University, Kurukshetra.

2630. Sundari, V.S.
Studies on aromatic aliphatic and aromatic polyamides. I.I.T., Delhi, 1975-79.

Prof. D.S. Verma, Department of Textile Technology, Indian Institute of Technology, New Delhi.

Prof. (Miss) I.K. Verma, Department of Chemistry, Indian Institute of Technology, New Delhi.

2631. Sur, Debanjan.
Some studies on the structure of jute yarn in relation to its physical characteristics. Calcutta (Physics) 1979.

2632. Vijayaraghavan, N.
Effect of some carding parameters on carding force and performance in a flat card. I.I.T., Delhi, 1974-78.

Dr. Amrik Singh, Asstt. Prof., Department of Textile Technology, Indian Institute of Technology, New Delhi.

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